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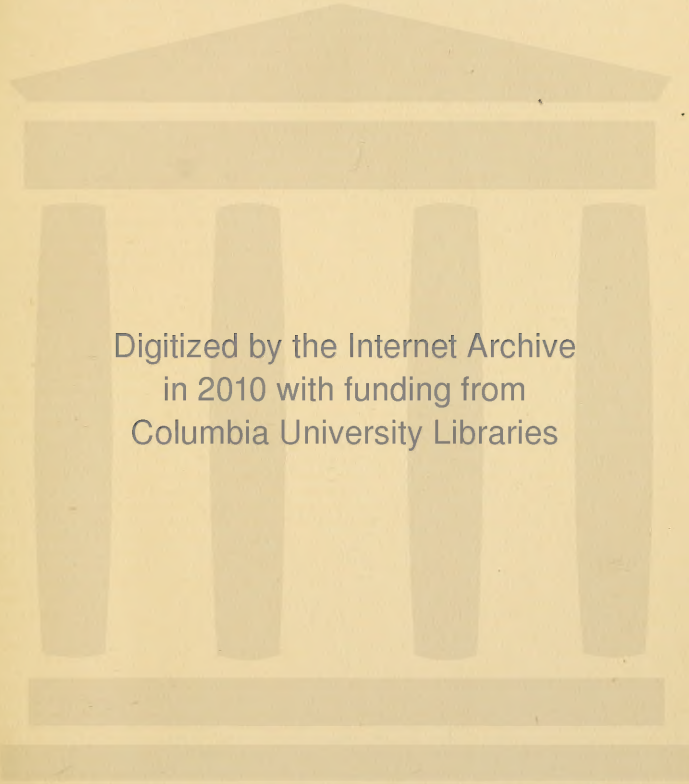
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SIXTH BIENNIAL REPORT
OF THE
BOARD OF HEALTH
OF THE
STATE OF DELAWARE.

1888-1890.

1891:
JAMES KIRK & SON, PRINTERS,
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REPORT OF THE

1888-89

NEW YORK

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Compliments of

Edmund B. Frazer,

Secretary State Board of Health.

WILMINGTON, DEL., December 16th, 1890.

To His Excellency BENJAMIN T. BIGGS,

Governor of the State of Delaware :

SIR : The Sixth Biennial Report of the State Board of Health, which is here presented, shows the work of the board from July first, 1888, to July first, 1890.

Regular meetings of the board have been held according to law, and we are pleased to congratulate the people of our State upon the general good health which has prevailed during the past two years.

Inspections of towns and public buildings have been made by the Secretary each year, and we are pleased to report that improvements are being made in the construction of buildings, and that the sanitary condition of towns is improved.

What is very much needed in our State at this time is the inspection of school buildings in the rural districts. School commissioners give very little attention to the comfort of the pupils. Old methods are still used as to light, heating and ven-

ADAM L. COO
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What is very much needed in our State at this time is the inspection of school buildings in the rural districts. School commissioners give very little attention to the comfort of the pupils. Old methods are still used as to light, heating and ven-

tilation, and the general construction of school buildings is very antiquated. These things should not exist in an enlightened, Christian community, but the best methods should be used to strengthen the body while the intellect is being cultivated.

A very able paper, prepared by Dr. L. P. Bush, President of the State Board of Health, on the importance of educating our youth in the principles of hygiene, was reprinted from the *Journal of the American Medical Association*, April 12th, 1890. A copy of this useful and interesting work was presented to every school teacher in the State, nearly seven hundred.

The board also had printed circulars on the prevention of consumption, typhoid fever, scarlet fever and diphtheria, their prevention and restriction. Eight thousand of these circulars were distributed in all parts of the State, through the school teachers, with the assistance of the county superintendents.

There are sixteen active boards of health in our State. New Castle county has four, Kent county has six, and Sussex county has six. The other towns which have not yet organized boards of health have been urged to do so repeatedly by the State board.

There is a good work to be done in this State, but with the limited means at the disposal of the board, a great deal of work must be left undone, and communities and individuals must suffer, and the State, and not the board, bears the responsibility. The board needs money for many things, such as the inspection of milk, and water at many places, used for drinking, should be analyzed. Our local boards should be visited, and all the school-houses in the State inspected, and those in authority have their attention called to defects. Will the State come to the relief of the board, or will these healthful measures still be neglected?

Respectfully submitted,

EDMUND B. FRAZER,

Secretary State Board of Health.

Wilmington, Delaware.

MEETINGS OF THE BOARD.

WILMINGTON, December 11th, 1888.

The matter of amending the law and asking for more authority from the Legislature was discussed. On motion, a meeting was ordered to be held in Dover (special) at the call of the president.

The secretary was authorized to purchase one volume of Parkes' work on Sanitation for each member. Also to purchase a medical dictionary for the use of the board.

After drawing orders for bills the board adjourned.

E. B. FRAZER, *Secretary*.

DOVER, March 6th, 1889.

Special meeting. Richardson House.

Present—Dr. W. T. Skinner, Dr. E. W. Cooper, Dr. D. L. Mustard, Dr. R. G. Ellegood.

Dr. Mustard was called to the chair.

When, by agreement, the board met the General Assembly in the parlor in the State House at 8 o'clock P. M., when Dr. R. G. Ellegood discussed the subject of vaccination at length.

Dr. W. T. Skinner discussed the subject of pure air and water.

Dr. D. L. Mustard discussed the subject of drainage of marshes, their effects on health and wealth.

Dr. E. W. Cooper discussed the subject of pure water—how obtained.

The secretary read a paper, prepared by the president, Dr. L. P. Bush, on the needs of the board to enable them to carry out the act creating the board.

The secretary also read a paper, in which he urged such an increase in the appropriation as would enable the board to make the inspections and perform the duties laid down in the act.

The members of the board expressed themselves well pleased with the attention and interest manifested by the gentlemen of the Legislature who were present.

The board now repaired to their room in the Richardson House and were called to order by Dr. Mustard.

Various amendments were prepared, as was also rule one of the board. The secretary was authorized to employ an attorney to formulate bills and present the same to the General Assembly and urge their passage. R. R. Kenney, of Dover, was employed.

On motion, the board adjourned.

E. B. FRAZER, *Secretary*.

WILMINGTON, May 28th, 1889.

Regular meeting of the board.

Members present—Dr. L. P. Bush, president; Dr. W. T. Skinner, Dr. Albert Whiteley, Dr. E. W. Cooper, Dr. D. L. Mustard and Dr. R. G. Ellegood.

The president called the board to order, when the minutes of the last two meetings were read and approved.

The special Committee on Milk and Food Inspections was continued.

The Committee on a Sanitary Convention was discharged.

The Committee on Drive Wells was continued.

The secretary presented a receipted bill of \$33.00 for the books before mentioned.

The secretary read his report of inspection of towns and of complaints made to him of nuisances throughout the State.

The secretary read a report of his inspection of schoolhouses in Wilmington, easterly side. Most of the cellars were damp and dirty, and the outhouses needed cleaning out. Scarlet fever, whooping cough, chicken pox and croup prevailed to some extent.

On motion, the secretary was authorized to have five hundred copies of the amended law printed and a copy mailed to boards of health, physicians, clergymen, and undertakers.

Dr. D. L. Mustard introduced the following resolution, which was adopted :

Resolved, That the secretary of the board be directed to have printed the amendment to the act entitled "An act to establish a State Board of Health for the State of Delaware," and mail, with the pamphlet already published, to each physician, clergyman, and undertaker, in the State; and further, be it resolved, that the secretary be directed to obtain from the recorder in each county the names of physicians, clergymen, and undertakers who have neglected to report the deaths and births in their respective counties for the year ending July, 1889, and the secretary is directed to proceed against all such neglecting to comply with the provisions of this act as amended by Section 9 of the amended act.

Dr. Bush read an interesting paper on "The importance of educating our youth in the principles of hygiene."

After the reading; Dr. Cooper introduced the following resolution, which was adopted :

Resolved, That Dr. L. P. Bush be appointed a special committee of one to communicate the views of the address to the State Board of Education, as endorsed by the State Board of Health, and urge the adoption of suitable text books.

At this meeting Dr. L. P. Bush was unanimously elected President of the Board for the ensuing year.

E. B. Frazer was elected Secretary by the same vote.

After drawing orders for bills, the board adjourned.

E. B. FRAZER, *Secretary*.

WILMINGTON, November 26th, 1889.

Regular meeting of the board.

Members present—Dr. L. P. Bush, president ; Dr. Wm. T. Skinner, Dr. Wm. R. Pierson, Dr. Albert Whiteley, Dr. D. L. Mustard and Dr. R. G. Ellegood.

The minutes of the last meeting were read and approved.

The special Committee on Milk and Food Inspections was discharged, after discussing the propriety of taking action at this time.

The special Committee on Drive Wells, consisting of Dr. E. W. Cooper and Dr. D. L. Mustard, was continued.

The secretary reported that he had five hundred copies of the amended State Board law printed, as directed, and that he had mailed a copy thereof to every physician, clergyman, undertaker, board of health, recorder of deeds, and judge of our courts, in the State.

The secretary reported that J. S. Billings, Surgeon U. S. A., Washington, D. C., requested him to furnish the Census Department with a list of hospitals, asylums, and other institutions, public or private, devoted to the care of the sick and insane, together with the names of their several managers or superintendents. None were reported in the State of Delaware for the census of 1880. November 9th, 1889, I reported that there were three institutions in Delaware, as follows :

The Delaware State Hospital, near Wilmington, Delaware, New Castle county. The hospital is 236 feet front by 300 feet deep ; three stories high ; built of brick ; cost about \$140,000. Board of Trustees organized September, 1889. Dr. John J. Black, president, and Dr. James H. Wilson, of Dover, secretary of the board ; Dr. D. D. Richardson, superintendent.

The Delaware Hospital, in Wilmington, Del. Board of managers : Mary H. Harrington, Josephine E. Gilpin, Mary V. Hart, A. C. Carpenter, Anna Cartwright, Mary M. Carter, Cornelia Bowman, Mrs. F. B. F. Miller, Mary H. Bush, Leah J. Bird, Mary K. Morse, Anna T. Canby, Alice E. Johnson, Elizabeth C. Rumford, Susan Spotswood.

The Homœopathic Hospital, Wilmington, Del. It was started November 19th, 1887, and opened for patients February 10th, 1888. It is 52 feet 6 inches by 37 feet 10 inches. It is furnished in the best manner, and with perfect sanitary arrangements. There are nine trustees and twenty-seven managers. J. T. Gause is president.

The secretary presented the Auditor's report of the financial condition of the board to November 18th, 1889, as follows :

Balance due the board, \$561.05.

JAMES H. BOYCE,

Auditor of Accounts.

Dr. L. P. Bush read a paper on the importance of vaccination and the neglect of school commissioners allowing children to enter the free schools without any regard to the law.

On motion, the paper was ordered to be published.

The secretary read a draft of a circular, the object being to have a number printed and mailed to the commissioners of towns where no local boards of health have been appointed, and urge them to do so, so that they may have the benefit and protection of the law for the preservation of the public health.

On motion, the secretary was authorized to have printed for distribution four thousand circulars on the prevention of consumption, and four thousand each on the prevention of diphtheria, scarlet fever and typhoid fever.

On motion, the board adjourned.

E. B. FRAZER, *Secretary.*

WILMINGTON, May 27th, 1890.

Regular meeting of the board.

Members present—Dr. L. P. Bush, president; Dr. Wm. T. Skinner, Dr. Albert Whiteley, Dr. E. W. Cooper and Dr. Robert G. Ellegood.

The minutes of the last meeting were read and approved.

The Committee on Drive Wells was continued.

The secretary read his report on printing and new order book.

The secretary read his report on the distribution of circulars, inspections, and other work since the last meeting.

On motion, the report was ordered to be published.

The secretary read a paper, directed to the board, by Dr. John H. Records, a veterinarian, of Lewes, Delaware, on the subject of glanders in horses in Sussex county. The paper was ordered to be filed, and the secretary was directed to tender the thanks of the board to the donor.

The secretary read a report on the health of the people throughout the State, for the three months ending March 31st, 1890, from fourteen physicians.

On motion, the report was accepted and ordered to be published.

Dr. Cooper introduced the following preamble and resolution, which were adopted :

WHEREAS it is reported by the secretary that the recorders of deeds in Kent and Sussex counties have not provided books for the registration of physicians, clergymen, undertakers, and midwives, as required by law ; and whereas this board is superintendent of the registration of vital statistics under the act creating a State board of health ; therefore be it

Resolved, That the secretary is instructed to notify the recorders of said counties of their neglect to provide such records as is required of them by law, and to see that the said registration records are provided without delay.

The secretary read a circular entitled, "Inter-state quarantine act," approved March 28th, 1890. Signed William Windom, Secretary U. S., Washington, D. C. Ordered to be filed.

The secretary read a paper on the subject of digging up the streets, without regard to health authorities and the health of the people. Ordered to be filed.

The board of health of the State of Delaware having often been invited to attend conventions of boards in other States, Dr. Cooper moved that the president be authorized to appoint a member of this board to attend such meeting or meetings in the future. The motion was adopted.

On motion of Dr. Cooper, the board proceeded to the election of officers for the ensuing year.

Dr. L. P. Bush was unanimously elected president, and E. B. Frazer was elected secretary of the board.

After drawing orders for bills, the board adjourned.

E. B. FRAZER, *Secretary*.

SECRETARY'S REPORTS OF INSPECTIONS OF THE SEVERAL TOWNS.

WILMINGTON, DEL., May 28, 1889.

*To the President and Members of the Board of Health of the
State of Delaware:*

GENTLEMEN: I herewith report my work of inspections, &c., since our last meeting. I have received reports from most of the State boards of health, and have been asked to exchange in every instance. I am compelled to notify the secretaries that our legislature refused to publish our report and therefore cannot comply with their request.

A complaint was received from the commissioners of Middletown against Lord & Polk, of Odessa, and the Delaware Railroad Company, of stench from cars, left on a siding, filled with offal from slaughter houses of Chicago, Ill. The cars were left standing for days before the material was removed, and when it was removed, by being put in wagons and hauled through the streets of Middletown, the stench was very annoying. At the request of the said commissioners I notified Lord & Polk and the Delaware Railroad Company of the nuisance complained of. I received a reply that the nuisance was abated.

March 1st I was requested to examine the dwelling-house and premises No. 104 west 12th street, in the city of Wilmington. I did so at once. The head of the family, a man of 32 years of age, was sick with typhoid fever. In the rear of the premises, 35 feet from the dwelling, was a privy well about four feet in diameter and nearly full; a water-closet in the dwelling was connected with the privy well. The plumbing was out of order. The physician in charge said that the cause of the disease was sewer gas.

I ordered that the well be disinfected and then cleaned out and disinfected again. This was done. The patient recovered in five weeks.

April 17, a complaint was made against Lord & Polk and the Delaware Railroad Company by Benjamin Armstrong, of Armstrong's Corner. The nuisance was the same as that at Middletown, made March 1st. I notified the parties of the complaint. They removed the nuisance forthwith.

A complaint of water in a dwelling-house in New Castle hundred, near the city of Wilmington, was inspected by me, and I found about eight inches of water in the cellar. The house was very damp, and the inmates sick. I notified the owner. The case was taken to court.

A schoolhouse in District No. 47 was found to be in a forlorn condition and the outhouses both filthy. Notified the school commissioners.

NEW CASTLE JAIL.

This building was found to be in good condition. 131 inmates, only one sick with a slight bowel trouble.

The outhouse belonging to the public school, near the jail, was in a worse condition than it was when I examined the city of New Castle six months before. The board of public education of that city promised to abate the nuisance but failed to do so.

DELAWARE CITY.

Inspected this town and found the sanitary condition only fair. Cows run at large as well as geese, and pig-pens are numerous, and at times filthy. A standing nuisance for years is a dead end in the old locks—abandoned years ago by the Delaware Canal Company. This place is a nuisance during the summer months. The public school is in a flourishing condition. The building is brick, containing five rooms, with good light and ventilation. 220 pupils were in attendance. The principal is a male, with three female assistant teachers.

Examined the Brandywine river above the south long race. Improvements are being made by the Water Department. I found nothing to complain of.

I examined a number of schoolhouses in the city of Wilming-

ton. I found many improvements needed for the comfort of the pupils as well as teachers. Very little sickness was reported among the pupils. The defects found were bad light and ventilation ; many damp cellars, several with water in them ; the temperature 53° to 63° in the schoolrooms. In some instances the outhouses were not what they should be. The Board of Education had their attention drawn to these defects.

NINTH WARD, WILMINGTON.

The Arlington Mills, M. F. G. Company Cotton Mill, was examined and found to be in good condition. No sickness nor accidents had occurred for two years. The buildings are well lighted and ventilated. They employ 375 persons.

Respectfully submitted,

E. B. FRAZER, *Secretary*.

WILMINGTON, DEL., November 26th, 1889.

At a stated meeting of the State Board of Health the secretary presented his report of work and inspection since the last meeting, viz :

A complaint of a dangerous crossing, and stench from stagnant water, in the streets of a place called the Highlands, adjoining the City of Wilmington, north, was examined by me and found to be as represented. I notified the owner of the bed of the street, and he removed the nuisance promptly.

August 13th, by direction of the president, Dr. L. P. Bush, I made a visit to the following towns :

NEW CASTLE.

Dr. David Stewart, Jr., reported that the general health of the people was fair. Whooping-cough had prevailed largely during the winter and spring. Some bowel troubles were prevalent. Malaria about as usual. The deaths were few. The drinking water received from their reservoir was not generally used by the people, because it was distasteful. Pump water was used largely and is of fair quality. The old nuisance back of the

jail has not been removed. It is a filthy outhouse, and is a disgrace to the town.

The county jail was in good condition, with 169 inmates ; no sickness there.

CHRISTIANA.

Dr. B. B. Peters said malaria prevailed to some extent in the country, mostly on high land, away from water-courses and marsh land. There were some bowel diseases of a mild form. The drinking water is good. They are erecting a new school-house—it was very much needed. They have no town government, nor board of health. The sanitary condition of the people was fair.

NEWARK.

Interviewed Drs. H. G. M. Kollock and L. M. Whistler. They report that the town and surrounding country is in a good sanitary condition and the people very healthy. They have an active board of health, which meets every week.

A dead cow floated down White Clay Creek and lodged within one mile of the town (Newark). The carcass was very offensive, and complaint was made to the board of health to remove the nuisance. The board claimed that it was beyond their jurisdiction and also of the town council. The matter was laid before a justice of the peace and he refused to act because, as he stated, the costs could not be charged to the State. I was asked for my opinion. I suggested that the justice direct the county constable to remove the nuisance forthwith and charge cost and expenses to the Levy Court of New Castle county. This was agreed to.

NEWPORT.

Dr. Booth was interviewed. He reported that bowel trouble of a mild form prevailed to some extent, and that the sanitary condition of the town was not good. They needed a system of drainage badly. The health of the people was fair. They have no board of health, although they have been repeatedly urged to organize one by the State board.

STANTON.

This town has no town government, no physician, and I was informed no sickness existed among its people. This town is on the decline.

DELAWARE CITY.

I visited this town August 14th, 1889, by request of twenty-two of its business men, who set forth, in a petition, that a nuisance was maintained by the Chesapeake and Delaware Canal Company, being a part of the old locks not filled up, which was a receptacle for all the filth flowing through the locks, and otherwise from the canal, lodging in a dead end of the old basin or locks. I found quite a number of persons sick in this vicinity. I interviewed the resident physicians—Dr. Francis Dunlap and Dr. Frank Bellville—who both declared that the place was a nuisance. I had a conference with the mayor and two of their town commissioners. They refused to act on the case; also the board of health refused to act. They said give the canal company time and the nuisance would be removed. The company have had twenty-five years and done nothing but promise. I was requested by the citizens to take the matter in hand. I did so. I laid the matter before Joseph E. Gillingham, of Philadelphia, who is president, and J. Fletcher Price, of Chesapeake City, Md., who is superintendent of the canal company. I sent each a copy of the law. They both replied promptly, stating that orders were given to remove the nuisance by filling up the old basin. The nuisance is removed.

NEW CASTLE COUNTY ALMSHOUSE.

August 28th, 1889, there were 176 inmates in the institution. Very little sickness. Buildings in excellent sanitary condition.

INSANE ASYLUM.—There were 115 inmates in this institution. They are well cared for. The building was clean throughout. No sickness. Both institutions are supplied with excellent water, found upon the premises. John Guthrie is superintendent.

SMYRNA.

August 29th, 1889, Drs. Clifton and Moore reported that there was very little sickness, and the town was in good sanitary condition.

MIDDLETOWN.

By invitation of the town commissioners I visited that place September the 5th. In an interview with them they stated that they were not ready to make known their complaints. I arranged to meet them on the 18th.

LAUREL.

September 12th, 1889, called on Dr. E. Fowler and Dr. Jones. They reported that the general health of the people was good. A few cases of typhoid fever were prevalent in the country, also a few cases of dysentery in the town. Dr. Wm. J. Hitch is president and Wm. T. King secretary of their board of health. The board has five members. They are in need of a system of drainage badly. Pigpens and outhouses were filthy, and the attention of the board was called to this neglect. Their drinking water is only fair. They were erecting a new schoolhouse at a cost of \$6,000.00. The sanitary condition of the town was not good, caused, no doubt, by so much rain.

SEAFORD.

Dr. Hugh Martin showed me over the town. They have good, clean streets and good drainage. Their public school building was in excellent condition, as were also the large grounds surrounding it. They are supplied with excellent water from drive wells. They are annoyed somewhat by foul-smelling pigpens. Their board of health anticipate ridding the town of them. Dr. Martin is president of the board of health and J. F. James is secretary. I met the other members. Seaford is well situated and is a pleasant town, with no debt upon it.

HARRINGTON.

Called on Drs. B. L. Lewis and West. They report one case of scarlet fever there; case isolated. The general health of the people is good. Pigpens are a nuisance and the drainage is very bad. A large public school, with good building, is in a flourishing condition. The outhouse of the Delaware Railroad Company was in a filthy condition. I ordered it cleaned forthwith. Harrington has no board of health, yet they need one badly, and have been urged time and again to take this important step. While here complaint was made against the proprietor of the canning factory near this town of stench from his factory. I notified him to remove the nuisance, and mailed him a copy of the State law. The streets of Harrington were in a bad condition. Their drinking water is not of the best; that which is obtained from drive wells is good. The sanitary condition of Harrington could be improved very much.

MILFORD.

Interviewed Drs. Nathan Pratt, Wm. and Geo. W. Marshall, J. O. Pierce, Dawson, Prettyman & Son, and Pleasanton. Typhoid fever and diphtheria prevail to some extent. Malarial fever about as usual. The water supply is fair when obtained from drive wells. They anticipate erecting water works. They have excellent streets, a substantial school building, and an active board of health. Gardner Joseph is president, Dr. J. O. Pierce secretary, with R. H. Gilman—three members—constitutes the board. They have been annoyed somewhat with stench from two large canneries in operation. This has been attended to. They need a better system of drainage of back lots and yards. I had a pleasant conference with the board of health and urged them to look after pigpens and inaugurate a better system of drainage of private property. I had a very pleasant visit and made many friends. Milford is a thriving town and well situated. The dwellings are large and comfortable, not bothered with damp cellars. It is a business town, and its citizens are energetic and warm-hearted. It is a pleasant town to live in.

DOVER.

Called on Drs. Wilson, Bishop, and Anderson. They report a few cases of diphtheria, scarlet fever and typhoid fever, and about the usual amount of malaria. The general health good. Inspected the jail—found it clean, with one white male and fourteen colored male inmates.

The colored school at this point is in a flourishing condition. Two male teachers and 150 pupils. The schoolhouse is a wooden building and will be repaired soon.

Conference Academy—Professor Gooding in charge. I found nothing to complain of except a small room in the second story used by the boys during the night time. There was one case of typhoid fever in the building, and the cause was being investigated by Dr. Downs. I advised that the drinking water and milk used be analyzed. The school is prosperous.

The streets of Dover were in a bad condition. Waste water from hydrants and kitchen sinks is not allowed to run into the street and clear out the dirty gutters, but it is run into a well in the yards back. This is a grave mistake. I had quite a long talk

with R. H. Lewis, president of the Board of Health of Dover. The board is active, and are doing much in a sanitary way with the means at their command. Dover has good, clean sidewalks. The drinking water might be improved. The canneries here are models of cleanliness and neatness. Richardson & Robbins' cannery is superior to any in this country. They employ three hundred persons during the fruit season, and one hundred and fifty during the winter months. The sanitary arrangements of this large plant is all that could be desired. The cannery of Joseph M. Chambers, near the depot, was also in excellent condition, and gives employment to about one hundred persons.

CAMDEN.

Met here Drs. E. W. Cooper and Luther S. Conwell. They report a few cases of typhoid fever. Very little sickness. Drinking water good. The streets were in fair condition. The cannery at this town was in good condition, and one hundred and sixty-two persons are employed. They have an active board of health, with Dr. E. W. Cooper, president, and two other members. The town was clean. Vaccination is not strictly attended to.

MIDDLETOWN.

Interviewed Drs. Chamberlain, McKee, Pierson, and Kennedy. They report but little sickness. I inspected the town in company with B. T. Craddock, town bailiff. This was at the request of the town commissioners, T. E. Hurn, president. They have no board of health—can't get men to serve. I found a number of nuisances which needed immediate action. I reported the matter to Dr. L. P. Bush, president of the State Board of Health, and he authorized me to notify the owners of the properties where the nuisances existed to remove the same, sending them a copy of the law. The work was done in a reasonable time.

The old academy has been repaired inside and outside, and there are employed four female assistant teachers to Prof. Sharp, principal. Pupils 160. A creamery here is a source of annoyance all the time. The drinking water is good, and the streets are in fair condition.

ODESSA.

In company with Dr. Kennedy I visited this town. Called on Dr. W. V. Woods. He showed me over the town. I found this town very clean, with wide clean streets. No dirt in gutters or yards, and everywhere in the town the sanitary work was complete. The cannery of Columbus Watkins was in perfect order throughout. He employs 140 persons. A public school here is flourishing. They have good water and little or no sickness. They said they had no use for a board of health. Drainage of the town first class.

A nuisance at the public schoolhouse in the town of St. Georges, was removed after much correspondence with the town commissioners.

The local boards of health throughout the State have been furnished with valuable circulars and reports received from other States. Undertakers, physicians, and clergymen have been furnished with blanks.

The Recorders of Deeds have made the quarterly reports to me promptly, and I find that our people have enjoyed a fair state of health.

E. B. FRAZER, *Secretary*.

HEALTH IN DELAWARE.

FROM JANUARY 1ST, 1890, TO APRIL 1ST, 1890.

*Extracts from Physicians' Official Correspondence with the
State Board of Health.*

PREVAILING DISEASES IN TOWNS.

NEW CASTLE COUNTY.

Newark.—Dr. H. G. H. Kollock.—Consumption, 6 ; pneumonia, 3 ; bronchitis, acute, 3. Influenza, several hundred cases. Most of the deaths from consumption were hastened by influenza. It is the first epidemic we have had in 13 years.

Centreville.—Dr. J. H. Chandler.—Pneumonia, 2. Have epidemic of influenza and measles, but no deaths. Only two deaths all winter.

Henry Clay.—Dr. R. P. Greenleaf.—Pneumonia, 5 ; croup, 4 ; diarrhœal diseases, 17 ; malarial fever, 3 ; scarlet fever, 9 ; congestion of lungs, 10 ; bronchitis, acute, 5 ; pleurisy, 11 ; measles, 23 ; whooping-cough, 10 ; influenza, about $\frac{2}{3}$ of the population. Measles are spreading south.

New Castle.—Dr. David Stewart, Jr.—Consumption, 3 ; pneumonia, 5 ; erysipelas, 3 ; typhoid, 4 ; malaria, 10 ; bronchitis, acute, 9 ; whooping-cough, 4 ; meningitis, 2 ; influenza, 300.

Delaware City.—Dr. Frank Bellville.—Consumption, 4 ; pneumonia, 2 ; croup, 1 ; typhoid, 1 ; congestion of lungs, 1 ; bron-

chitis, 10; pleurisy, 1; measles, 2; influenza, 100. I place it low.

Townsend.—Dr. T. A. Enos.—Consumption, 4; pneumonia, 15; croup, 1; diphtheria, 5; malarial fever, 12; bronchitis acute, 8; pleurisy, 1; measles, 15; puerperal diseases, 1; influenza, 40; apoplexy, 2; heart disease, 2; premature birth, 2. There has been quite a number of cases of measles, but they were mild and no doctor attended them.

KENT COUNTY.

Smyrna.—Dr. William Ashcraft.—Pneumonia, 17; croup, 3; typhoid fever, 3; malarial fever, 12; scarlet fever, 3; bronchitis acute, 4; measles, 5; puerperal diseases, 1; meningitis, 1; influenza, 6. General health of Smyrna and vicinity good at this time.

Dover.—Dr. J. H. Wilson.—Consumption, 12; pneumonia, 5; croup, 10; diarrhœal diseases, 6; typhoid fever, 3; malarial fever, 10; scarlet fever, 20; congestion of lungs, 8; measles, 45; whooping cough, 15; influenza, 100. We have an epidemic of measles and scarlet fever, but it is a mild form. No deaths from influenza although a great many cases.

Frederica.—Dr. P. T. Carlisle.—Croup, 2; diarrhœal diseases, 3; erysipelas, 1; typhoid fever, 3; malarial fever, 4; scarlet fever, 1; congestion of lungs, 2; bronchitis acute, 15; measles, 10; puerperal diseases, 1; influenza complicated by consumption and measles, 56; mumps, 13.

Milford.—Dr. Nathan Pratt.—Consumption, 3; diphtheria, 1; typhoid fever, 1; congestion of the lungs, 1; bronchitis chronic, 1; tetanus, 1. Account for the year ending Dec. 31, 1889.

SUSSEX COUNTY.

Milton.—Dr. James A. Hopkins.—Consumption 3; pneumonia, 2; croup, 3; diarrhœal diseases, 3; diphtheria, 1; bronchitis acute, 3; meningitis, 1; influenza epidemic. I have made this report with reference to my practice.

Georgetown.—Dr. C. H. Richards.—Not a death in private practice since January 1, 1890, and only two within the almshouse. We are in a good healthy condition—no epidemic of any kind. General health of this community is splendid.

Seaford.—Dr. Hugh Martin.—Consumption 6; pneumonia, 7; diarrheal diseases, 6; typhoid fever, 3; bronchitis, 2; influenza, 30. Influenza has been our greatest trouble.

I received 13 replies out of 15. Dr. E. Fowler, of Laurel, and Dr. Mustard, of Lewes, did not report. From the 13 replies received it appears that the general health of our State is good.

Respectfully submitted,

E. B. FRAZER, *Secretary*.

FROM APRIL 1ST TO JULY 1ST, 1890.

NEW CASTLE COUNTY.

New Castle.—Dr. D. Stewart, Jr., reports an epidemic of measles and diarrhœal diseases. Typhoid fever and malarial fever and dysentery prevailing to some extent.

Townsend.—Dr. T. A. Enos reports the sanitary condition of the town good. Dysentery, malarial fever and diarrhœal diseases prevailing.

Glasgow.—Dr. Wm. T. Skinner reports a few cases of scarlet fever and typhoid fever; otherwise the state of the health is good.

Centreville.—Doctor J. H. Chandler reports: Have had an unusual amount of sickness. Diarrhœal diseases, diphtheria, typhoid fever, scarlet fever, measles and whooping-cough prevailing.

Middletown.—Dr. R. B. McKee reports health good.

KENT COUNTY.

Smyrna.—Dr. Wm. Ashcraft reports the sanitary condition of the town good. Prevailing diseases—pneumonia, diarrhœal diseases, erysipelas, malarial fever, and measles.

Dover.—Dr. William T. Davis reports the following diseases prevailing to some extent: Consumption, pneumonia, diarrhœal diseases, diphtheria, typhoid, malarial and scarlet fevers, bronchitis acute, pleurisy, measles and whooping-cough.

Camden.—Dr. L. S. Conwell says: This report is for my practice and not for the community. The sanitary condition of the town is good. Prevailing diseases—croup, diarrhœal diseases, typhoid and malarial fevers, bronchitis acute, measles, and whooping-cough.

Frederica.—Dr. P. S. Carlisle reports the sanitary condition of the town ordinary. Dysentery prevails throughout the county, with measles, congestion of the lungs, malarial and scarlet fever, bronchitis acute, also puerperal diseases.

SUSSEX COUNTY.

Milford.—Dr. J. O. Pierce says the sanitary condition of the town is fair. Diseases prevailing largely are consumption, diarrhœal diseases, malarial fever, bronchitis acute and measles; to some extent pneumonia, croup, erysipelas and typhoid fever.

Milton.—Dr. J. A. Hopkins reports that the health of the community was never better at this season. At present there are some cases of malarial fever and diarrhœal diseases.

Concord.—Dr. Robert G. Ellegood says the sanitary condition is good at present. The diseases which did prevail largely were diarrhœal diseases, malarial fever, pneumonia and measles. At present the above diseases are scarce

Dr. Vallandigham, of Middletown, replied by stating that he did not keep an account of cases and could not comply with my request.

The following physicians did not return the postal card: Dr. B. B. Peters, Christiana; Dr. H. G. M. Kollock, Newark; Dr. Frank Belleville, Delaware City; Dr. W. K. Conway, Leipsic; Dr. B. L. Lewis, Harrington; Dr. Geo. W. Marshall, Milford; Dr. C. H. Richards, Georgetown; Dr. David H. Hall, Lewes; Dr. Hugh Martin, Seaford.

The reports received show a fair state of health among the people in each of the counties in our State. It would be more satisfactory if our physicians who receive the cards would comply with the very modest request by filling the blank spaces and return the card by return mail. There is no cost to the physician, and such information asked for is of great value to our people.

E. B. FRAZER, *Secretary*.

REPORTS OF OFFICIAL WORK.

WILMINGTON, May 27th, 1890.

To the President and Members of the State Board of Health :

GENTLEMEN: Since our last meeting I have had printed the various circulars approved by this board, and distributed those on health to nearly every school teacher in the State. I obtained the names of the teachers in Wilmington from Supt. Harlan, and from Messrs. Bessey of New Castle, Handy of Kent, and Ward of Sussex counties. I afterwards furnished all the teachers in this city, and I think all in the principal towns, a copy of the paper read, in the Section of State Medicine, at the fortieth annual meeting of the American Medical Association, June, 1889, Washington, D. C., reprinted from the *Journal of the American Medical Association*, Chicago, April 12th, 1890. Subject: "The Importance of Educating our Youth in the Principles of Hygiene," by Lewis P. Bush, M. D., of Wilmington, Delaware. The circular to be addressed to town commissioners in towns in this State not having a board of health, has been sent to the commissioners of all the towns in our State, urging them to appoint persons who will organize according to the laws enacted for that purpose. Since our last meeting I have been notified that Townsend and Leipsic have organized boards of health. Although I have asked the commissioners and physicians, I have also urged the business men to aid in this important work. I am sorry to report that not much interest has been taken yet.

In the matter of the registration of physicians, clergymen, undertakers, midwives and others, in the office of the recorders in the several counties, I have to report, that early in December I examined said book in the Recorder's office in New Castle

county and found less than sixty names recorded therein. I at once took time and trouble and obtained a list of all the physicians, clergymen and undertakers in this county, published the names of all who had not complied with the law and notified them to do so by January first, 1890. I am pleased to state that some three hundred names now appear on the registration book in this county. A small number have not complied with the law at this date. I have taken warrants for them. Quite a large number of clergymen in the State have not paid any attention to the law. I refer to those coming into our State since the last conference held at Milford, this State. I mailed a marked copy of the law to the Rev. W. L. S. Murray, and requested that section eleven of the act be read before the conference. I think no attention was paid to the very modest request. I examined the book on Saturday last, May 24th, 1890, and find some fourteen clergymen not on the book, (I will read their names and stations).

April 7th, 1890, I received the following letter from J. P. Morris, Recorder of Sussex county, Georgetown:

"There is not, nor has there ever been, a book for the registration of physicians, undertakers and clergymen in this office. If you will furnish such book or record, will be pleased to have it in office. Yours respectfully,

J. P. MORRIS, Recorder.

Per Rolls."

Section 11 of the act says: "And it shall be the duty of the recorder to have the same alphabetically registered in a suitable book to be by *him* provided for the purpose."

On the 12th of April I visited the Recorder of Kent county, at Dover, John H. Bewley, Esq., recently appointed. I found a book called a registration, but with a few names recorded. This book is not adapted for the purpose. I have asked both these gentlemen to have a book made, as required by law, and send the bill to the State Treasurer. As yet I have not heard from either of them. This matter should be attended to at once, and I am sure this board has the authority to act in the matter.

While at Dover I inspected the jail. Found it in good condition, with four white inmates and thirty-four negro inmates. I walked over town and found it very clean, with excellent sidewalks. Called on Drs. Wilson, Davis, Bishop and Anderson.

They reported that the general health was good. Scarlet fever prevailed to some extent in a very mild form, which followed measles, which had been epidemic in that town.

J. P. Morris, Recorder of Sussex county, in a letter, dated December 16th, 1889, says that there are thirty-five physicians who have not reported a birth within three years, and four undertakers who report no deaths, also one minister who reports no marriages. On the 18th of December I mailed a copy of the law to each person reported by the recorder.

February 21st last, at the request of Dr. Benjamin Lee, Secretary State Board of Health of Pennsylvania, I subscribed for ten reports of the proceedings of the National Conference of State Boards of Health, held at Cincinnati, Ohio, May 4, 1888. I ordered that the names of our members be printed on the back of said reports. This was done, at a cost of \$1.23. I mailed one to each of our members.

I was notified by W. T. Jones, detective of the P. W. & B. R. R. Co., on February 28th, that E. N. Baldwin, station agent at Claymont, telegraphed him that small-pox was prevalent in a Gipsy camp near that place. I conferred at once with our president, Dr. L. P. Bush. He advised that I telegraph Dr. F. M. Cardeza at that place. I did so March first, at 8½ o'clock A. M. He replied at 11:45 o'clock as follows: "I see no one sick in camp." I went to the office of Detective Jones, and he produced the telegrams from the agent. I published Dr. Cardeza's reply.

I received the circulars—12,000—from the Delaware Printing Company, they being the lowest bidders. I mailed four circulars to each newspaper in the State—one on consumption, one on scarlet fever, one on typhoid fever, and one on diphtheria. Reference was made to the public through this medium.

I obtained ten copies of the House Journal, from which I took the fifth biennial report of the Board of Health of the State of Delaware. I had a light cover put on each, and furnished one to each of our members. The circulars mentioned above were sent to each board of health in our State. March 31st I mailed fifteen postal cards to fifteen physicians in every part of the State, asking them to report what was the general health from January

1st to April 1st, 1890. I received fourteen replies, which I have compiled for your consideration.

April 3d I received a notice from Dr. Benjamin Lee, Secretary State Board of Health of Pennsylvania, stating that there was a case of leprosy in Philadelphia—Hop Lee, a Chinaman; case isolated, residences disinfected, and an examination made of the neighborhood. Sent the letter to Dr. J. P. Wales, President of the Board of Health of the City of Wilmington.

At the request of the attorneys for the Jessup & Moore Paper Company, I examined Silverbrook, a small stream in the north-western part of this city. I found the bed of the stream covered with a black sediment, said to come from a morocco factory erected over said stream just north of Front street. I testified before the Chancellor, at Dover, April 12th, that the water in said stream was unfit for drinking purposes, for man or beast, rendered so by the impurities put or let into said stream from said morocco factory. It was also alleged that the polutions rendered the water from this stream, after it flowed into Mill Creek, from which the paper company obtained the water for bleaching purposes, unfit for that purpose.

April 18th I visited Rising Sun by request of a physician residing near that point. I found a number of outhouses full, and some very foul. I notified the owners to abate within fifteen days.

May 19th a complaint was made to me that a dead horse had been buried in front of a man's house, during his absence, only twenty-five feet from the front door. I notified all the parties. I received a report the next day that the horse had been removed and taken to a boneyard, and the trouble ended.

May 22d I visited New Castle, Christiana, Newark, Stanton and Newport. At New Castle I inspected the jail, which I found to be very clean in every part. There were 149 inmates, about equally divided as to color. No sickness in the institution, nor has there been for more than a year.

D. B. Jones, principal of the public schools here, reported that there were 600 pupils in attendance, and at present the general health of the pupils was good. Some little measles still lingered

in a few families in the west end school. Left a large number of circulars for distribution, and sent a batch to the colored school.

CHRISTIANA.

Here I found a neat two-story frame schoolhouse, just completed this spring. C. A. Grant, the teacher, stated that the average attendance was from 30 to 40 pupils. Drinking water good, and no sickness.

Interviewed Dr. B. B. Peters, who reported that the general health of the people in the town was good, but in the country, next to the Delaware river, there were cases of scarlet fever of a mild type.

NEWARK.

Inspected Delaware College. Interviewed C. S. Conwell, one of the professors, who reported that eighty-two students were in attendance. The sanitary condition of the building and the grounds around it was good. No sickness among the students. Extensive improvements are being made to the grounds around the college in the rear. President Raub took me over the premises at the academy, which I found to be in fair condition. Ninety-three pupils in attendance. No sickness. Left at the college and here circulars for distribution.

Public School—A. J. Lynch, principal, with four teachers and 248 pupils. Building in excellent order. No sickness. Left circulars, also some for the colored school.

Interviewed Dr. Kollock, who reported the town distressingly healthy. Dr. Whistler, of the board of health, was not at home.

Examined the new organ factory, which will be completed in about ten days. It is a substantial building, and the plumbing arrangements are many in all parts of the building.

Left circulars at the school house in Stanton and Newport. Dr. Booth, of Newport, stated that the general health of the people was good.

Respectfully submitted,

EDMUND B. FRAZER, *Secretary*.

WILMINGTON, September 8th, 1890.

To the President and Members of the Board of Health of the State of Delaware :

GENTLEMEN: Since our last meeting I have visited the following towns:

September the 8th, I arrived at Georgetown in the evening. On the following morning I visited the Sussex County Almshouse in company with Dr. Daniel I. McColley, physician to the institution. There were forty-seven inmates—twenty-five white and twenty-one colored persons. Three white persons can read and write. A majority of them are simple-minded. The food furnished to them was of good quality, and plenty of it. No sickness existed among the inmates. The farm belonging to this institution contains 360 acres of land, in a high state of cultivation. They have good stock, and produce an abundance of pork, hay, butter, poultry and vegetables. The buildings were in good order, heated by steam. Religious services held quarterly. The sanitary surroundings are excellent. Hiram S. Short, superintendent.

On the complaint of the Recorder of Deeds, J. P. Morris, of Georgetown, I took warrants for one physician and one undertaker for not complying with the registration law. They both plead guilty. They were discharged, upon the payment of costs, at my request, they agreeing to make reports in the future.

The County Jail at Georgetown contained sixteen inmates. Six persons were white and ten were colored persons, all males. Four white and four colored persons can read and write. They were given three meals per day. Water good. But one urinal is provided for all. No sickness in the jail. Sanitary surroundings not good. No religious services are held in the jail.

Called on Drs. Charles H. Richards and Waples. They report that the health of the people is good.

MILTON.

Arrived there on the 11th in the evening. The next morning, in company with Drs. J. A. Hopkins and Robert H. T. Wilson, we inspected the town. The drainage is good. The streets and

gutters were in good condition and clean. A cannery in operation was not in the best condition. The board of health consists of Drs. J. A. Hopkins, Robert H. T. Wilson and James S. Gillespie. This town has good advantages for drainage, with good water. The sanitary surroundings are good, and the general health of the people good. The board of health is to be congratulated for the good sanitary condition of their town.

DOVER.

On the 13th called on Drs. Bishop and Anderson. They report but little sickness, and the general health of the people is good.

On Saturday morning I visited the Kent County Almshouse, which is seven miles distant from Dover. There were eighty inmates, fifty-one white and twenty-nine colored; white males, twenty-five; white females, twenty-six; colored males, seventeen; colored females, twelve. Eight or ten were sick with local diseases; one case of typhoid fever. The drinking water is good, and the whole place is kept in excellent condition. The farm contains 350 acres of improved land. The crops this year are not what was expected. The stock consists of nine head of horses and mules, also three colts, twenty-one head of cattle, and forty hogs. An abundance of vegetables were grown. Religious services are held every other Sunday. E. B. Downs is the superintendent.

Dover Jail—The building was clean throughout, and there were twenty-nine inmates, two white females and twenty-seven colored males; ten can read and write. They are furnished two meals per day, with plenty of good, fresh food. No sickness in the jail. J. C. Boggs is turnkey, and Dr. T. O. Clements jail physician.

I called on the Recorders of Deeds in Kent and Sussex counties, also the Clerks of the Peace. Had a registration book made and sent it by express to the Recorder at Georgetown.

TOWNSEND.

At the request of the board of health of Townsend, I visited that town on the 9th of October. I was shown over the town by Dr. T. A. Enos, president, and Albert J. Lynam, secretary, also

Thomas Maloney, member of the board of health. The drainage is not good, yet the board has done much good work in this direction, and the streets and gutters were in good condition. They are troubled somewhat by a trunk under the railroad, which should be lowered some eight or ten inches. At present the water in a ditch which carries the storm and waste water from a number of houses is stopped at this trunk, and at times becomes offensive. At their request I laid the matter before the proper official of the Delaware Railroad Company. Their schoolhouse was in excellent condition. A creamery is operated in the northern part of the town. It was as clean inside and outside as could be. Some little trouble is experienced with stench from pigpens, but when persons were notified to abate any nuisance they obeyed. The board of health meets the first Monday evening of each month and work in harmony with their town commissioners in sanitary matters. The town's population last census was 309, fifteen of which are colored people. The health of the community is good.

E. B. FRAZER, *Secretary.*

VACCINATION OF SCHOOL CHILDREN.

A paper read at the meeting of the State Board of Health, November 26th, 1889, and ordered to be published in the press of this State.

On the 21st March, 1883, the Legislature of this State passed "An act to provide for the vaccination of children in the free schools" of the State, which required all children to present satisfactory evidence of vaccination before being allowed to take seats in the schools.

The purpose of this law is apparent, viz: to prevent the spread in the schools and communities of one of the most loathsome and fatal diseases to which humanity is liable. In order to present to the minds of the people of the State the best evidence of the importance of this law, Dr. John K. Kane, a member of the State Board of Health, presented, at its request, an elaborate and accurate statement of the history of vaccination, of its controlling power in preventing small-pox, and of the immensely diminished mortality from that disease since the introduction of vaccination.

Dr. Kane also showed the fallacy of the popular error that diseases more to be dreaded than small-pox were likely to be introduced by vaccination. These pamphlets were scattered extensively as possible throughout the State, and it was presumed that enough interest would be taken in this subject to induce the school commissioners of the various towns in the State to have the law executed. It is to be deplored, however, that no such effect has been produced outside of Wilmington—where the law has been enforced—unless in a very few places. The dereliction

of the duty thus imposed upon the commissioners is all the more inexcusable, as every obstacle is removed which might have embarrassed the observance of the law, and thus, throughout the State, the door is left open for the introduction of the fatal small-pox into any and every section of our State. It is strange that intelligent citizens, who constitute the commissioners of our public schools, can be so regardless of the health and life of the children placed under their care as to ignore a duty of so great importance. No penalty has been affixed to the law, the Legislature reasonably concluding that in a matter which so palpably would work only for a great good, and which would be so easy of execution, the persons to whom the execution of it was committed would readily accede to and exact its requirements.

The State Board of Health has done all that it can do in this matter; the responsibility of the neglect of this beneficent measure must rest where the Legislature has placed it; and sooner or later the sad consequences of this neglect will inevitably fall upon the innocent victims whose protection could be ensured.

L. P. BUSH.

HEALTH VS. SICKNESS.

To the General Assembly of the State of Delaware :

The Secretary of the State Board of Health has prepared a report for transmission to you, through the Governor, regarding the operations of the board for the past two years.

It has been the effort of the board to make communications of a personal character so as to bring before the minds of the people of the State the importance of hygienic measures for the preservation of health and life, thus hoping to induce them to consider their importance to themselves and to their families.

These statements are not myths ; nor are they intended to mislead the people or to lay grievous burdens upon them ; on the contrary they are facts as well settled as any business principle on which men rely.

But from the habit of the people to put off the evil day of sickness and to think "all men mortal but themselves," they too often neglect the warnings given to them, and when death enters their dwellings they refer his visits to anything else than to their own folly or carelessness.

Physicians see this statement verified every day, and will continue to see it thus sadly shown to be the truth until the people can be brought up to a recognition and practice of the hygienic principles alluded to.

In the air, earth and water, are found the germs of disease ready to be developed into maturity, which means disease. We inhale these germs with the air ; we drink them with the water, not as God made the air or formed the water, but as they are contam-

inated by the ignorance or carelessness, I was going to say by the stupidity of reasoning beings.

We have been endowed with reason for the purpose among other things of protecting ourselves from the malign influences which are liable to arise among mankind, whether in families or in communities, and whoever is wise will use all the knowledge which he possesses for that purpose.

It is true that there are climatic influences which are not of man's devising, but they are easily recognized and usually guarded against. Men do not clothe themselves alike in winter and summer, nor use food of the same quality and quantity irrespective of the season. Neglect of proper precautions in these respects tells promptly upon their own comfort, and hence they recognize and avoid the cause ; but when they inhale impure air, or drink impure water, the consequences may be slow and insidious and not so readily recognized, and hence these agents are disregarded as the causes of disease. We have told the people that from some of these things come some of the most fearful and distressing consequences which afflict humanity. Burning fevers—as typhus, racking intermittents, the devastating cholera, are all the results of such causes, while scarlet fever and diphtheria spread in families and schools, torturing the innocent children and bringing them down to early graves.

We have scattered this information widely and have called upon our people to read and consider these facts. This board is not constituted to make money ; it is composed of physicians who have no pecuniary interest in trying to induce the people to guard against the causes of disease ; as member of the board they receive no compensation, but leave their own business to attend to this duty for the public—a benevolent action solely.

We have in our papers called attention to the cost of sickness, whether in the heads of families or in children, the sorrow of bereavement, the pecuniary detriment to the family when its head is disabled by disease, and still worse when death removes the parent from the household, thus depriving the State of services more or less valuable and leaving voids often hard to be filled.

These things we call upon the people to consider ; it is for them to reflect upon ; the comfort and happiness of themselves and families are involved more seriously than in the acquisition of a super-

fluity of wealth, which can never bring happiness without health. The spring of youth or of vigorous and virtuous manhood brings a joy and repose which can never be enjoyed by any one, who, from any cause, whether internal or external, feels that the equilibrium of his physical powers has been unsettled, and he can look forward only to prolonged discomfort and death before the time. No pecuniary means, no elegance of surroundings can compensate for this impairment of health ; climate and country may be changed, but too often the broken links cannot be welded.

To many persons exposure to malign influences, as of malaria, is unavoidable. They are immovably fixed by circumstances. Even when thus situated the evil consequences of their environment may be greatly obviated. With a view to illustrate this important point, questions were asked by the board and replies were received from many of the physicians of the State, showing that the time of greatest danger from exposure is from the beginning of the dew fall to the evaporation by the morning sun, that cleanliness, drainage, ventilation, sunlight dryness about the house, and cultivation of the soil ; these are the main factors which are essential to protection from malaria.

The board respectfully submit that without proper assistance from the Legislature it cannot accomplish the beneficial results which ought to flow from this organization, and therefore ask an increase of appropriation so that the necessary visitation and supervision and reports may be made to the secretary.

The reports which have been already made by the secretary show that the mere distribution of sanitary tracts is not sufficient without the visitation of an efficient officer or member of the board to point out and urge upon the proper persons attention to the requirements, not only of the law, but of their own safety and that of their families.

The secretary will show what other States have done, and that wherever the importance of the subject has been fully presented to the legislative bodies, appropriations sufficient to enable the boards to do a satisfactory work have been voted, and certainly there is no other work of equal importance which is performed for the State at so trifling an expense.

Respectfully submitted,

L. P. BUSH.

GEORGETOWN, DEL., Sept. 7th, 1889.

MY DEAR SIR: I have made an unsuccessful effort to find the card you were so kind to send, but will write a few lines. We have enjoyed good health through this section the entire year. No epidemics of any kind. We had a few cases of diphtheritic-tonsillitis during July and August. Perhaps there were a half-dozen cases of diphtheria, so called, resulting in death. Within the past ten days we have had some cases of chills—not one in fifty of those years ago. The people are *ditching* with a vengeance, which will do for us a *great hygienic* work; but 'tis loss of crops, rather than for health promotion, that moves most of them. Within thirty days the mains that carry off the waters for many miles around will be all opened and cleared, the first time in nine years.

Very truly, &c.,

C. H. RICHARDS.

LAUREL, DEL., August 29th, 1889.

MR. E. B. FRAZER: Yours of August 24th at hand. In reply I would state that I cannot obtain a correct report, such as you desire, of the cases of the diseases named on the postal card. I have but recently returned from a six months' stay in New York city, and can form no idea of the health of the place during my absence. Our town board of health has not until recently been organized, and no statistics of disease or deaths have been kept. I can state, however, that the health of Laurel and vicinity from the first of June to the present time has been much better than that of any year for the past eight years. Malarial fevers have very markedly decreased, as has also typhoid.

Trusting that this may be satisfactory, and that you may feel free to call upon me for the performance of any sanitary work I may be capable of performing for the welfare of the board of health,

I am, very truly yours,

J. A. ELLEGOOD.

THE IMPORTANCE OF EDUCATING OUR YOUTH IN THE PRINCIPLES OF HYGIENE.

BY L. P. BUSH, M. D., PRESIDENT OF THE STATE
BOARD OF HEALTH.

One of the greatest difficulties in the way of the successful working of our State Boards of Health, is the want of confidence of the people in the statements which we bring before them of the importance of hygienic subjects. It is so difficult for the people at large to appreciate the truth that danger to health and life are strown thickly around them—that the air they breathe and the water they drink (which was inhaled and drank by their ancestors, who they believed “died when their time came,” and not before), may be deleterious to them, and that many of the diseases which afflict them, and the deaths which remove from them the dearest objects on earth, are not a visitation of Providence which they could not obviate by any means in their power.

When a tree falls upon one of the family, or a neighbor, or the mangled body of a friend or relative is carried home from beneath the wheels of a railroad car, it is easy to them to appreciate both cause and effect. But when they are told that the clear and sweet water which they draw from their well, or the effluvium from a mass of decaying vegetable matter, or from an old stagnant pond, is gradually introducing into their systems a malign agent which will sooner or later induce disease, and will surely reduce the term of their life, they retreat within their old covert, declaring that they can neither see nor feel the force of our protestations, and cast aside the pamphlet as containing the lucubrations of one who has made a hobby of the subject, and declare or resolve that they are not to be scared or humbugged by such fanciful ideas.

Is not this true as a rule? I am sure it is true ; and that it is occurring every day in every part of our country. People have been so long impressed with the notion that death is a visitation from God, and that He sends their diseases among them, instead of referring them to their own ignorance or carelessness, that it is no easy matter to convince them that they are in error, that these new notions are worthy of their most serious consideration, and that they are second only to the care of the health and life of their soul. Every one who has given thought to the subject knows how difficult it is to root out old prejudices existing among the people, and to implant new and opposite views ; and that this is the reason why we are so subject to be disregarded in our efforts to do them good.

What then shall we do? for it must be apparent to all interested in our State Boards of Health that we progress slowly in our efforts to indoctrinate the people with hygienic truths. Even a large part of our physicians believe that it is not *their* mission to prevent, but to cure, disease ; and they give hygiene only a passing look, and the people think none the worse of them for it. It seems to me that we must begin at the beginning ; we must give the subject of health a more important place in our public and private schools ; early planting in the minds of the children the knowledge of the value of health, and the means of preserving it, by putting into their hands such books as will bring before them not merely the anatomy and physiology of the human system, but, still more, the principles which are requisite to preserve the vigor of mind and body, and which will warn them against the deleterious agencies which lie concealed both in air and water, and which are the cause of more deaths than all other occult agencies together.

As far as I know, this subject has not attracted as much attention in our health associations as it deserves ; and from various instances which have come under my observation, I have been led to present these thoughts for the consideration of this Section.

There must be a widely disseminated conviction of the truths upon which our Boards of Health are founded before we can hope to elevate the status of the health of our communities to the point which we desire. It must be strong enough to supplant the prejudices above alluded to, which have an abiding presence in the minds of the people ; and this can only be effectually done by the

means here suggested. I do not say that our boards of health have been failures; on the contrary, they have been of great and inestimable value in educating the better part of our communities, and are gradually taking a deeper hold on their conscientiousness. So we must labor on, not relaxing anything already gained, as in all our efforts to bring up the people to a higher plane in any improvement of their condition we constantly find great cause for discouragement where we expected sympathy and assistance. We need only to refer to the retrograde movement in Boston, where the efficient State Board of Health was disbanded, and the venerable Dr. Bowditch, with all his valuable experience in hygienic matters, was supplanted, and the efficiency of the system embarrassed by that which was substituted.

The wisdom of our legislators does not always extend into the invisible; they can forecast a loss of political influence and power, or they think they can, though even here, in their favorite haunts, their wisdom sometimes proves to be folly; so when everything around seems quiet, and no pestilence threatens immediately, and death seems to have fled to some other sphere, they demur when you ask them to assist in executing plans for the prevention of disease, because they can't see the immediate propriety of such action. The enactment of a law on this subject brings no votes, and the rejection of it loses none, and hence they easily postpone the matter indefinitely. Why? Because constituents care about as little for the law as do their representatives. If the people were as well educated and impressed with the inestimable value of our subject as they should be, or as they are in regard to the value of their business affairs, there would be a different set of men, and a different course of legislation; and this subject, instead of being the last to be thought of, would take its proper place on the list of the legislative bills.

It is not my wish to advance any opinion upon the merits or demerits of the various books which have been produced as proper for the instruction in hygiene in our schools, except in a general way.

When the subject of physiology was first introduced into our higher schools it was mainly confined to the scientific exposition of the structure and functions of the human body, leaving the application of the principles there set forth to the discrimination of the pupil, as circumstances might arise as in the future. This was well

as far as it went, and it was all that the times demanded ; but in the present progressive stage of hygienic knowledge it has become evident that this kind of exposition is insufficient. That class of books ought, therefore, to be discarded, and others, possessing the proper requirements, substituted. There are such to be obtained, which set forth the laws of health, and which should be commended to school boards, should be heartily appreciated by the teacher, and should have no secondary place in the curriculum of studies. When this takes place, we may expect the next generation to be ready to uphold the hands of those who are endeavoring to forward this beneficent movement.

In advancing this cause there is no class of men who have more influence than physicians, and hence whenever that influence can be brought to bear upon our school directors it is plainly our duty to exert it in whatever way seems most practicable for accomplishing the desired purpose.

RESUSCITATION OF THE DROWNED.

BY L. P. BUSH, M. D., PRESIDENT OF THE BOARD OF HEALTH
OF THE STATE OF DELAWARE.

WILMINGTON, DEL., June 3d, 1890.

At the last meeting of the Delaware State Board of Health the duty was assigned to me of preparing a paper, for circulation throughout the State, "on the Resuscitation of the Drowned." The geographical structure of our State is such that a knowledge of the best means known for the recovery of drowned persons is a matter of the first importance.

A large part of the State borders upon the Delaware river and bay; and it is everywhere permeated by rivers and creeks, and studded with lakes and ponds. In many places the inhabitants, from the earliest childhood, are accustomed to boating, fishing and swimming, and these become almost as natural as their occupations on shore. Hence arises the danger of drowning while engaged in either of the above aquatic pursuits. The ability to swim is a great, though not a certain, protection from death when thrown into the water; for there are times when, from the violence of the waves, no human power can avail to keep from exhaustion and strangulation. It has therefore been thought to be expedient and salutary to record and circulate what are the means now considered the most available for the recovery of those thus unfortunate.

Many of the plans used for the recovery of the drowned have been ill-directed, or ill-timed, if not entirely useless, or worse

than useless, as leading to the loss of valuable time; such as rolling the person on a barrel or hanging the patient up by the feet, stripping the body, and rubbing the hands and feet and trunk; some of which are good in a degree, but only partially, and not to be depended upon alone.

The following instructions by Doctor Beech, of Michigan, are plain and easily practiced:

THE TWO THINGS TO BE DONE: { RESTORE BREATHING;
RESTORE ANIMAL HEAT.

RULE 1. Loosen all neck and waist-bands quickly—by unbuttoning or cutting them.

RULE 2. Turn the patient on the face, with the head down hill, if possible.

RULE 3. Stand astride the hips, with your face towards his head, and locking your fingers together under his belly, raise the body as you can without lifting the forehead from the ground,



and give the body a smart jerk to remove mucus from the throat and water from the wind-pipe, holding the body long enough to count slowly *one-two-three-four-five*, repeating the jerk gently two or three times.

RULE 4. Next, with patient and operator in same position,

grasp the clothing at the points of the shoulders, or if the body is naked, thrust your finger into the armpits, and, clasping

Fig. 2



thumbs over the points of the shoulders, *raise the chest as high as you can* without lifting the forehead from the ground, and hold it long enough to slowly count *one—two—three*.

RULE 5. Replace the patient on the ground, with his fore-

Fig. 3.



head resting on his arm, or on anything to support it from the ground, straighten out the neck, and free the mouth and nose; then place your elbows against your knees, and your hands upon

the sides of his chest, *over the lower ribs, and press downward and inward with increasing force*, long enough to count slowly—*one-two*. Then suddenly let go, grasp the shoulders as before, and raise the chest; then press upon the ribs as before; again raise the chest, and repeat these alternate movements in the same order ten or fifteen times a minute for an hour at least, unless breathing is restored sooner.

RULE 6. After breathing has commenced (or before, if convenient), cover the body with warm blankets—*TO RESTORE THE ANIMAL HEAT*, also use bottles of hot water, or hot bricks, to the extremities. *Warm the head nearly as fast as the body, lest convulsions come on*. Rubbing and slapping the fleshy parts assist in restoring heat.

RULE 7. *When the patient can readily swallow*, give sparingly hot coffee, tea, milk, or a little spirits and water. If the power of swallowing return very slowly, two tablespoonsful of spirits in two or three tablespoonsful of warm water may be injected into the bowels and held there by pressure.

RULE 8. *As soon as strength will permit* place the patient in a warm bed, give plenty of *fresh air* and keep him *quiet*. In all the treatment, keep *away the crowd*.

If the above means fail, galvanism may be tried by currents passed through the diaphragm, or lower part of the chest.

Beware of losing a moment of time. Cover the lower half of the body, and apply heat, if you can, by assistants; *but don't stop to remove clothing*, or to *take the body away from the shore*. If the patient can be brought to *gasp*, or *breathe*, there is hope. *This is the great point to be obtained*.

Don't turn the patient on his back unless there is some one to hold forward the tongue, as strangulation may be caused by the tongue falling into the throat.

Don't be discouraged too soon. Well authenticated cases are on record of persons who have been under water for an hour or more having been restored; and persons have recovered after the continuance of efforts for resuscitation for two hours. Doubtless many persons have been allowed to die for want of proper or long-continued efforts for their recovery, the attendants becom-

ing fatigued or discouraged after a trial of fifteen or twenty minutes.

In *suffocation* by *smoke* or any *poisonous gas*, or by hanging, proceed the same as for drowning; omitting the effort to expel water, etc., from the windpipe.

In suspended breathing from effects of *chloroform*, *hydrate of chloral*, etc., proceed as in Rule 3, taking pains to keep the head low, and the tongue drawn forward.

These rules are purposely drawn up in a plain manner, and embody what is believed to be the best means known for the resuscitation of the drowned. They can be carried out by one person, if help cannot be had by calling; but no delay should take place before help comes. No attempt is made to explain the physiology of the processes here recommended; they are believed to be founded on sound principles and conformable to physiological laws.

They are taken chiefly from the report of the State Board of Health of Michigan for 1874.

The plates which accompany this paper, which were obtained through the kindness of Dr. Henry B. Baker, Secretary of the State Board of Health of Michigan, were not intended to ornament it, but to impress more forcibly upon the reader the positions to be assumed by the operator in the successive stages of the process of resuscitation.

L. P. BUSH, M. D.

EXPENSES OF THE BOARD.

1889.

| | | |
|--|---|------------------|
| March 6. | Adjourned meeting at Dover, Del., ex- penses of members, | \$ 22 44 |
| | Secretary's expenses, including $\frac{1}{4}$ ream of paper, &c., | 14 91 |
| May 28. | Regular meeting in Wilmington, expenses of members, | 27 15 |
| | John F. Saulsbury, Secretary of State, . . | 1 92 |
| | Richard R. Kenney, attorney, | 50 00 |
| | H. S. Christy, carpenter, | 11 00 |
| | The Star Printing Co., | 4 65 |
| | E. B. Frazer, secretary, salary and allow- ance, | 168 00 |
| Nov. 26. | Regular meeting in Wilmington, expenses of members, | 26 45 |
| | Dr. Wm. R. Pierson, certificate Secretary of State, | 2 00 |
| | The Star Printing Co., | 21 25 |
| | Secretary, P. O. stamps, expressage, &c., . | 17 48 |
| | Secretary, expenses for inspections to New Castle, Christiana, Newark, Stanton and Newport, | 5 75 |
| | To Delaware City, one day inspections, . . | 1 72 |
| | Inspections of Laurel, Seaford, Harrington, Dover, Camden, Smyrna, Odessa and Middletown, expenses, | 23 46 |
| | Dinner at Central Hotel, | 50 |
| | Allowance to secretary, for six months' ser- vices, | 250 00 |
| <i>Amount carried forward,</i> | | <i>\$ 648 68</i> |

| | | |
|--|--|------------|
| <i>Amount brought forward,</i> | | \$ 648 68 |
| 1890. | | |
| May 27. | Regular meeting in Wilmington, expenses | |
| | of members, | 17 53 |
| | The Star Printing Co., | 5 75 |
| | The Journal Printing Co., | 1 56 |
| | The News Printing Co., | 2 16 |
| | The Every Evening Co., | 2 28 |
| | The Republican Co., | 1 50 |
| | The Dover Index Co., | 2 00 |
| | Dr. L. P. Bush, printing copies of A. Med. | |
| | Asso., | 7 50 |
| | Secretary, P. O. stamps, &c., | 12 25 |
| | E. K. Myers, Harrisburg, Pa., printing, . | 1 23 |
| | Secretary, dinner, car fare, mucilage, . . . | 67 |
| | Carriage hire and inspections, | 5 50 |
| | Two telegrams, Claymont, | 84 |
| | The Delaware Printing Co., order to secre- | |
| | tary, | 52 45 |
| | Secretary's allowance for six months' ser- | |
| | vices, | 250 00 |
| | | <hr/> |
| | | \$1,011 90 |

Unexpended balance to this date, \$349.22.

CIRCULAR.

OFFICE OF THE STATE BOARD OF HEALTH,

WILMINGTON, DEL.,

18 .

To the Town Council or Commissioners of

The population of your town is and is increasing every year. The law for "the preservation of the public health" in this State is not available as to its penalties in towns having no organized board of health, and in case of epidemics or diseases arising from any source you can only act under your town charter, which in many instances does not confer the necessary authority upon your commissioners or town council to cause the nuisance to be promptly abated. The "law for the preservation of the public health" gives the power both to establish a board of health and to execute its requirements. The removal of garbage and night soil, together with all other accumulations of filth to be found on private property, or stench emanating from creameries and canneries and other buildings where anything is manufactured which pollutes the air by smoke or stench, arising from such manufactured goods, should not be allowed to exist, as it is within the power of the owners of them to keep such buildings in good sanitary condition and to conduct their business successfully without annoying their neighbors.

The Board of Health of the State of Delaware earnestly urges all town commissioners and town councils to appoint a board of health for their respective towns, and it is the duty of all good citizens to assist the members of the boards in enforcing the laws for the preservation of the public health. The State Board is ever ready to assist town councils and commissioners in estab-

lishing local boards, and also to assist local boards in the enforcing of the law as it now exists, and to aid in having the present laws amended, or in formulating new laws.

- DR. L. P. BUSH, President, Wilmington, New Castle county.
- DR. WM. T. SKINNER, Glasgow, New Castle county.
- DR. IRVING S. VALLANDIGHAM, Middletown, New Castle Co.
- DR. ALBERT WHITELEY, Frederica, Kent county.
- DR. E. W. COOPER, Camden, Kent county.
- DR. D. L. MUSTARD, Lewes, Sussex county.
- DR. R. G. ELLEGOOD, Concord, Sussex county.
- E. B. FRAZER, Secretary, Wilmington, New Castle county.

LIST OF BOOKS RECEIVED.

-
- Alabama*—Quarantine Conference, 1889.
California—State Board of Health reports, 8th, 9th, 10th and 11th.
Connecticut—1885, '86, '87, '88, '89; New Haven, 1886.
Canada—City of Montreal, Canada, 1887.
Delaware—State Board of Health, 1st, 2d, 3d, 4th; Wilmington, 1st, 2d, 3d, 4th, 5th, 6th, 7th, 8th, 9th.
District of Columbia—National Board report, 1885; Washington City, 1885; Report of Secretary of the Navy, 1884; The Manual of American Water Works, 1888; Operations of the U. S. Marine Hospital Service, 1887.
Florida—First Report of State Board of Health; Report of the Jacksonville Auxilliary Association, Epidemic Yellow Fever, 1888.
Illinois—9th, 10th and 1877-86; Physicians and Midwives; Water Pollutions, 1889; Atlantic and Gulf Quarantine, 1886.
Indiana—2d, 3d, 4th, 6th, 7th, 8th; Health Laws, 1886; Water Pollution; Indianapolis, 1881.
Iowa—3d, 4th.
Kansas—1st, 2d, 3d, 4th, 5th.
Louisiana—Reports of 1886, 1887.
Maine—2d, 3d, 4th, 5th.
Maryland—8th, 7th, 6th; City of Baltimore, 1885.
Massachusetts—6th; Boston 15th, 16th, 17th; Water and Sewerage report, 1888; City of Waltham, 1886.
Michigan—2d, 13th, 14th, 16th; Sanitary Conventions, 1884, 1885, 1886.
Minnesota—8th, 12th; St. Paul, 1886.
Missouri—1888; Medical Association, 10th, 1888.
New Hampshire—4th, 6th, 7th, 8th, 9th.

New Jersey—9th, 10th, 11th; Dairy Commissioners, 1887; Newark, 1886; List of Circulars, bound in one volume.

New York—6th, 7th, 8th, 9th, 10th; Brooklyn, 1885, '86, '87; Local Boards, 1890; Charity Organizations, 1886; The Journal of Nervous and Mental Diseases (monthly), by Charles Henry Brown, M. D.; Report on An Endemic of Typhoid Fever at Spring Water, N. Y., in October and November, 1889; Filtration of Sewage; Biological Examination of Potable Water, by George W. Rafter, of Rochester, N. Y.

North Carolina—1887, 1889; Sanitary Convention, 1889.

Ohio—1st, 3d; Cincinnati, 1886; Sanitary Inspection of R. R. Coaches.

Pennsylvania—1st, 2d, 3d; Medical Society, 1887; Laws Public Health, 1887; City of Reading, 1887; Transactions of the 40th annual session of the Medical Society, held at Pittsburg, vol. 21; Reports of the State Board of Health to 1889; Register of Physicians by Counties, from July 1st, 1881, to December 1st, 1888; Fourth Report of State Board, 1889.

Rhode Island—7th, 8th; Registration, 1886; Providence, 1889.

South Carolina—6th, 8th, 9th, 10th.

Tennessee—Proceedings of the National Conference of State Boards of Health at the seventh annual meeting, held at Nashville, May 19th and 20th, 1890.

Vermont—1st, 2d; Registration, 1886.

West Virginia—1888.

Wisconsin—9th, 10th.

Mexico State.

Miscellaneous, 20.

LICENSED PHYSICIANS.

NEW CASTLE COUNTY.

Name, Residence, date of Graduation, and Name of College.

1. Bullock, Wm. R., Wilmington, April 3d, 1847, University of Pennsylvania.
2. Bush, Lewis P., Wilmington, March 26th, 1835, University of Pennsylvania.
3. Corse, Wm. H., Wilmington, March 12th, 1872, University of Pennsylvania.
4. Cooper, Smith, Wilmington, March 4th, 1876, University of Pennsylvania.
5. Draper, James A., Wilmington, 1860, University of Pennsylvania.
6. Harlan, Caleb, Wilmington, March 26th, 1836, University of Pennsylvania.
7. Bradford, Thomas Budd, Wilmington, May 1st, 1884, University of Pennsylvania.
8. Grimshaw, A. H., Wilmington, April 4th, 1845, University of Pennsylvania.
9. Mackey, David, Wilmington, 1888, University of Pennsylvania.
10. Palmer, John, Jr., Wilmington, March 15th, 1882, University of Pennsylvania.
11. Patterson, Henry, Wilmington, March 15th, 1879, University of Pennsylvania.
12. Powell, James B. R., Wilmington, March 15th, 1878, University of Pennsylvania.
13. Pyle, Jos. P., Wilmington, April, 1883, University of Pennsylvania.

14. Pierce, Wm. Chandler, Wilmington, May, 1888, University of Pennsylvania.
15. Shortlidge, Evan G., Wilmington, March 14th, 1868, University of Pennsylvania.
16. Springer, Willard, Wilmington, March 12th, 1874, University of Pennsylvania.
17. Smith, Joseph R., Wilmington, May 2d, 1887, University of Pennsylvania.
18. Steineckin, George A., Wilmington, May, 1890, University of Pennsylvania.
19. Wilson, Henry R., Wilmington, November 7th, 1883, University of Pennsylvania.
20. Wales, John P., Wilmington, March, 1852, University of Pennsylvania.
21. Wallace, Charles H., Wilmington, March 1st, 1886, University of Pennsylvania.
22. Blocksom, J. T. V., Wilmington, March 13th, 1871, Jefferson Medical College, Philadelphia, Pa.
23. Brown, Thomas A., Wilmington, March 12th, 1873, Jefferson Medical College, Philadelphia, Pa.
24. Cantwell, George H., Wilmington, March 3d, 1883, Jefferson Medical College, Philadelphia, Pa.
25. Flinn, Irwin M., Wilmington, April 2d, 1883, Jefferson Medical College, Philadelphia, Pa.
26. Flinn, Lewis W., Wilmington, April 2d, 1883, Jefferson Medical College, Philadelphia, Pa.
27. Frazer, Edward E., Wilmington, April 28th, 1887, Jefferson Medical College, Philadelphia, Pa.
28. Frist, Harry M., Wilmington, March 30th, 1889, Jefferson Medical College, Philadelphia, Pa.
29. Hughes, M. J., Wilmington, April, 1883, Jefferson Medical College, Philadelphia, Pa.
30. Harris, Albert B., Wilmington, March, 1888, Jefferson Medical College, Philadelphia, Pa.
31. Lowber, Alexander, Jr., Wilmington, March, 1882, Jefferson Medical College, Philadelphia, Pa.
32. Maull, David W., Wilmington, 1853, Jefferson Medical College, Philadelphia, Pa.
33. Mann, George W., Wilmington, 1882, Jefferson Medical College, Philadelphia, Pa.
34. Morgan, J., Wilmington, 1889, Jefferson Medical College, Philadelphia, Pa.

35. Ogle, Howard, Wilmington, 1869, Jefferson Medical College, Philadelphia, Pa.
36. Quinby, Watson F., Wilmington, 1847, Jefferson Medical College, Philadelphia, Pa.
37. Stubbs, H. J., Wilmington, March 12th, 1868, Jefferson Medical College, Philadelphia, Pa.
38. Stewart, F. E., Wilmington, March, 1879, Jefferson Medical College, Philadelphia, Pa.
39. Tomlinson, Peter W., Wilmington, March 12th, 1878, Jefferson Medical College, Philadelphia, Pa.
40. West, Simeon L., Wilmington, March 9th, 1868, Jefferson Medical College, Philadelphia, Pa.
41. Allmond, Charles M., Wilmington, April 4th, 1889, Hahnemann, Philadelphia, Pa.
42. Bliss, Oliver, Wilmington, September 26th, 1876, American Eclectic.
43. Burr, Horace, Wilmington, January 2d, 1842, Yale College.
44. Burr, Wm. H., Wilmington, March 14th, 1884, University of Maryland.
45. Boeswald, F., Wilmington, March 26th, 1876, Eclectic.
46. Barlow, D. G., Wilmington, June, 1889, Boston University, S. M.
47. Cameron, John, Wilmington, March 29th, 1860, Hygieio Therapeutice, N. Y.
48. Cooper, Peter, Wilmington, March 10th, 1881, Hahnemann, of Philadelphia, Pa.
49. Curtis, J. M., Wilmington, March 3d, 1869, Hahnemann, of Philadelphia, Pa.
50. Corkran, Willard F., Wilmington, March 4th, 1884, University of Maryland.
51. Devon, I. L., Wilmington, March 20th, 1872, Hahnemann, of Philadelphia, Pa.
52. Baird, Chas. E., Wilmington, March 15th, 1886, College of Physicians and Surgeons of Baltimore, Md.
53. Frantz, A. E., Wilmington, March, 1862, Hahnemann College.
54. Green, C., Wilmington, March, 1880, College of Physicians and Surgeons, N. Y.
55. Griffith, J. P., Wilmington, March 2d, 1862, Eclectic Medical College, Philadelphia.
56. Gardner, Richard, Wilmington, March 9th, 1870, Hahnemann.

57. Reile, J. Harmer, Wilmington, March 30th, 1879, Hahne-
mann.
58. Heald, Pusey, Wilmington, Hygeio Therapeutice College,
N. Y.
59. Isenschmid, Paul, Wilmington, 1872, American University
of Philadelphia.
60. Kittinger, Leonard, Wilmington, March, 1863, Homeo-
pathic Medical College, Pa.
61. Kittinger, L. A., Wilmington, March 10th, 1881, Hahne-
mann.
62. Kulney, George M., Wilmington, April 7th, 1887, Hahne-
mann.
63. Lukens, J. Paul, Wilmington, March 11th, 1878, Hahne-
mann College of Philadelphia.
64. Lawton, C. H., Wilmington, March, 1872, Hahnemann
College of Philadelphia.
65. Lippincott, J., Wilmington, June 7th, 1881, Eclectic Medi-
cal College, Cincinnati.
66. Moat, James M., Wilmington, 1883, Hahnemann.
67. McKay, Read J., Wilmington, February, 1867, Bellevue
Hospital Medical College.
68. Negandank, A., Wilmington, March, 1854, Philadelphia
College of Medicine.
69. Nagendank, E. T., Wilmington, April 7th, 1887, Hahne-
mann, of Philadelphia
70. Naudian, C. B., Wilmington, July 25th, 1856, Philadelphia
College of Medicine.
71. Parm, John A., (colored), Wilmington, November 2d, 1870,
Dartmouth College.
72. Simms, John H., Wilmington, February 22d, 1854, Eclectic
Medical College of Pennsylvania.
73. Speck, J. Frank, Wilmington, March, 1860, University of
City of New York.
74. Thompson, Hannah M., Wilmington, March 15th, 1883,
Woman's Medical College of Philadelphia.
75. Truitt, William J., Wilmington, February 21st, 1889, Hah-
nemann Medical College of Chicago.
76. Welsh, J. B., Wilmington, June 2d, 1870, Eclectic Col-
lege of Pennsylvania.
77. White, Josephine M. R., Wilmington, March, 1878, Wo-
man's Medical College of Pennsylvania.
78. Mullin, John W., Wilmington, 1886, Hahneman.

79. Leahy, Michael M., Wilmington, April, 1863, Jefferson College, Pennsylvania.
 80. Ritchie, F. G., Wilmington, March 16th, 1882, New York Homeopathic Medical College.
 81. Wilbur, John, Wilmington, March 13th, 1874, University of New York.
 82. Winner, William G., Wilmington, May 1st, 1884, University Pennsylvania, Philadelphia.
-
1. Bellville, Frank, Delaware City, April 21st, 1875, University of Pennsylvania.
 2. Black, John J., New Castle Delaware, March, 1862, University of Pennsylvania.
 3. Barnes, H. D., Summit Bridge, April 8th, 1889, University of Pennsylvania.
 4. Chamberlain, G. G., Middletown, March, 1848, University of Pennsylvania.
 5. Crumbaugh, J. W., Hockessin, March 15th, 1870, University of Pennsylvania.
 6. Chandler, Joseph H., Centerville, March 12th, 1860, Jefferson College of Philadelphia, Pa.
 7. Cardeza, J. T. M., Claymont, March 12th, 1877, University of Pennsylvania.
 8. Coates, L. P., Summit Bridge, May 1st, 1886, University of Pennsylvania.
 9. Dunlap, Francis S., Delaware City, March 20th, 1861, University of Pennsylvania.
 10. DeWhitt, J. W., St. Georges, March 10th, 1863, Jefferson Medical College.
 11. Day, F. Harvey, Rockland, May, 1885, University of Pennsylvania.
 12. Enos, Thomas A., Townsend, March 12th, 1879, Jefferson College.
 13. Evans, Wm. D., Newark, March 15th, 1881, University of Pennsylvania.
 14. Greenleaf, R. P., Henry Clay P. O., March, 1855, Medical Department Pennsylvania College, Philadelphia.
 15. Hamilton, W. N., Odessa, March, 1836, Jefferson Medical College, Philadelphia.

16. Henry, Columbus, Newark, March 14th, 1871, University of Pennsylvania.
17. Kollock, H. G. H., Newark, March 9th, 1872, Jefferson Medical College, Philadelphia.
18. Kennedy, Wm. F., Middletown, March 10th, 1873, Hahnemann Medical College, Philadelphia.
19. Mitchell, Taylor S., Hockessin, 1875, Jefferson Medical College, Philadelphia.
20. McKee, R. B., Middletown, March, 1859, Pennsylvania Medical College.
21. Nowland, E. F., Middletown, March, 1852, University of Maryland.
22. Ogle, A. M., New Castle, March 30th, 1882, Jefferson Medical College, Philadelphia.
23. Peters, B. B., Christiana, March 29th, 1884, Jefferson Medical College, Philadelphia.
24. Stewart, David, Jr., New Castle, March 12th, 1872, University Pennsylvania.
25. Skinner, Wm. T., Glasgow, March, 1870, University of Maryland.
26. Springer, Francis L., Christiana, March 22d, 1877, University of Pennsylvania.
27. Tybout, R. Reynolds, New Castle, May, 1887, University of Pennsylvania.
28. Vallandigham, I. S., Middletown, March, 1869, University of Maryland.
29. Whistler, L. M., Newark, May, 4th, 1879, Putle Medical College.
30. Boughman, George W., Stanton, March, University of Pennsylvania.
31. Ball, L. Heisler, Stanton, May 1st, 1885, University of Pennsylvania.
32. Butler, John B., Newark, March, 1877, University of Maryland.
33. Calver, William, Booth's Corner, Pa., January 28th, 1864, Philadelphia College, Philadelphia, Pa.
34. Kuntz, William H., New Castle, Delaware, February 21st, 1888, Chicago Homeopathic Medical College.
35. Richardson, James, St. Georges, April 2d, 1885, Jefferson Medical College, Philadelphia, Pa.

KENT COUNTY.

| | |
|--------------------|--------------------------|
| Ashcraft, William | Hargandine, R. W. |
| Anderson, E. S. | Hoey, W. F. |
| Brown, E. J. | Lewis, B. L. |
| Bishop, L. A. H. | Manship, S. P. |
| Barber, R. T. J. | Moore, T. C. |
| Conoway, W. K. | Marshall, William & Son. |
| Cooper, William H. | Massey, James T. |
| Carlisle, P. T. | Nickerson, H. A. |
| Chapman, L. H. | Owens, F. J. |
| Conwell, L. S. | Pratt, Nathan |
| Cooper, E. W. | Richardson, James |
| Dwight, E. S. | Smith, J. M. |
| Downs, P. S. | Swinney, Curtis O. |
| Downs, J. M. | Wallace, W. G. |
| Davis, William F. | Warren, John W. |
| German, H. W. | Whiteley, Albert |
| Godwin, Joseph A. | Whiteley, Benjamin |
| Hirons, R. S. W. | West, J. D. |

Thirty-six licenses published by the Clerk of the Peace.

SUSSEX COUNTY.

Joseph W. Marsh, Jefferson, Philadelphia, Pa.
 John W. Fooks, Jefferson, Philadelphia, Pa.
 James A. Hopkins, Jefferson, Philadelphia, Pa.
 Joshua A. Ellegood, Jefferson, Philadelphia, Pa.
 William T. Sudler, Jefferson, Philadelphia, Pa.
 George W. Prettyman (dead), Jefferson, Philadelphia, Pa.
 James W. Short, Jefferson, Philadelphia, Pa.
 William E. Wolf, Jefferson, Philadelphia, Pa.
 George W. Maull (dead), Jefferson, Philadelphia, Pa.
 James A. Stevens (left State), Jefferson, Philadelphia, Pa.
 Robert Henry T. Wilson, Jefferson, Philadelphia, Pa.
 James S. Gillespie, Jefferson, Philadelphia, Pa.
 Lawrence M. Cahall, Jefferson, Philadelphia, Pa.
 Robert Ellegood, Jefferson, Philadelphia, Pa.
 Robert B. Hopkins, Jefferson, Philadelphia, Pa.
 William B. Jones, Jefferson, Philadelphia, Pa.
 William F. Haines, Jefferson, Philadelphia, Pa.
 John T. Hammond, Jefferson, Philadelphia, Pa.

- Robert B. Knight (no residence in the State), Jefferson, Philadelphia, Pa.
- Ebe Holland, Jefferson, Philadelphia, Pa.
- Caleb R. Layton, University of Pennsylvania, Philadelphia, Pa.
- William J. Hitch, University of Pennsylvania, Philadelphia, Pa.
- Chas. H. Richards, University of Pennsylvania, Philadelphia, Pa.
- Hiram R. Burton, University of Pennsylvania, Philadelphia, Pa.
- David D. Palmer, University of Pennsylvania, Philadelphia, Pa.
- Francis M. Gum, University of Pennsylvania, Philadelphia, Pa.
- Joseph N. Johns, University of Pennsylvania, Philadelphia, Pa.
- John O. Pierce, University of Pennsylvania, Philadelphia, Pa.
- I. H. D. Knowles, University of Pennsylvania, Philadelphia, Pa.
- Rodney H. Richardson (left State), University of Pennsylvania, Philadelphia, Pa.
- John S. Prettyman, Jr., University of Pennsylvania, Philadelphia, Pa.
- Oliver D. Robinson, University of Pennsylvania, Philadelphia, Pennsylvania.
- Wm. P. Orr, Jr., University of Pennsylvania, Philadelphia, Pa.
- Harbeson Hickman, Jr., University of Pennsylvania, Philadelphia, Pa.
- Joseph K. Frame, University of Pennsylvania, Philadelphia, Pa.
- John Louder Tam (left State), University of Pennsylvania, Philadelphia, Pa.
- Wm. D. W. Hall, University of Pennsylvania, Philadelphia, Pa.
- Joseph B. Waples, University of Maryland, Baltimore, Md.
- Lemuel P. Mitchell (left county), University of Maryland, Baltimore, Md.
- Edward Fowler, University of Maryland, Baltimore, Md.
- Hugh Martin, University of Maryland, Baltimore, Md.
- William I. Shipley, University of Maryland, Baltimore, Md.
- Albert B. Slemmons, University of Maryland, Baltimore, Md.
- James Curtis Littleton (left the county), University of Maryland, Baltimore, Md.
- Willard F. Corkran, University of Maryland, Baltimore, Md.
- Josephus A. Wright, University of Maryland, Baltimore, Md.
- Braxton B. Richardson (left State), University of Maryland, Baltimore, Md.
- G. Frank Jones, University of Maryland, Baltimore, Md.
- David Hall, Pennsylvania Medical, Philadelphia, Pa.
- David L. Mustard, Pennsylvania Medical, Philadelphia, Pa.
- Francis A. Roop (dead), Columbia College, Washington, D. C.

- Robert G. Ellegood, Pennsylvania Medical, Philadelphia, Pa.
 Henry C. Johnson, Eclectic, Philadelphia, Pa.
 Lemuel H. Collins, Washington University, Baltimore, Md.
 Thomas A. Hitch, 12 years' practice in State.
 Edward H. McCabe, Long Island College Hospital, Brooklyn,
 New York.
 Joseph R. Layton, Pennsylvania Medical, Philadelphia, Pa.
 John G. Dawson, Hahnemann Medical College, Chicago, Ill.
 James P. McFaden, 32 years' practice.
 John S. Prettyman, Physopathic Medical and Eclectic, Ohio and
 New York.
 Jacob Knowles, Eclectic Medical College, Philadelphia, Pa.
 George Morrison Harris (left State), Eclectic Medical College,
 New York City, N. Y.
 Walter Underwood (left State), Hahnemann Medical College,
 St. Louis, Mo.
 Emma Underwood (left State), Indiana College of Medicine, In-
 dianapolis, Ind.
 Charles W. Ammerman (left State), Cleveland Medical College,
 Cleveland, Ohio.
 Thomas A. J. Hollaway (left), Iowa University, Keokuk, Iowa.
 Frances E. Sansom (left), University of New York, New York
 City, N. Y.
 Daniel I. McColley, Physician and Surgeon, Baltimore, Md.
 52 in the county.

POPULATION OF DELAWARE.

OFFICIAL—1890.

| | |
|------------------------------|---------|
| New Castle County, | 97,182 |
| Kent County, | 32,664 |
| Sussex County, | 38,647 |
| Total, | 168,493 |

Population of City of Wilmington, 61,431

White persons in the State, 139,429
 Colored persons in the State, 29,124

Proportion of colored persons to whole population, 17.2 per cent.

Percentage of colored persons:

In New Castle County, 15.1
 In Kent County, 25.2
 In Sussex County, 15.7

The enumeration includes four Indians (aborigines) and 38 Chinamen.

LAWS OF DELAWARE

*For the Preservation of the Public Health and Registration of
Vital Statistics.*

CHAPTER 345, VOL. 16.

OF MEMBERS OF BOARD OF HEALTH.

An Act for the Preservation of the Public Health.

*Be it enacted by the Senate and House of Representatives of
the State of Delaware in General Assembly met, as follows:*

SECTION 1. It shall be the duty of the common council of every city and the commissioners of every incorporated town in this State, in which there is not now a board of health duly organized, to appoint, once in every year, a board of health for such city or town, to consist of not less than three nor more than seven persons, of whom at least one shall be a physician duly authorized to practice medicine; and in case there be a port physician already appointed by the Governor, he shall be a member of the board *ex officio*.

SEC. 2. The several boards of health, constituted under this act, shall elect from among their own members a president and secretary of such board, and shall meet not less than once in every three months. The secretary of the board shall keep the minutes of the meetings of the board, and shall perform all such duties as shall be assigned to him by the board; for which services he shall receive such compensation as the city council or commissioners of the respective cities or towns may determine.

SEC. 3. The board of health shall have power to direct that any noisome matter, whether vegetable, animal or otherwise, within the boundaries of their respective cities or towns, or within

one mile thereof, or any vessel then having, or having recently had any contagious disease on board, which, according to the opinion of the board, may be the occasion of contagious or infectious disease, shall be removed or remedied by the person to whom the same belongs, or in whose possession, or upon whose property it is; and that any place, in such city or town, or within one mile of the boundaries thereof, being in such filthy or noxious state that according to the opinion of the board may be the occasion of contagious or infectious disease, shall be cleansed by such persons to whom the same belongs, or in whose possession it is; and that any reservoir of stagnant water, or other nuisance, or unwholesome thing, in such city or town, or within one mile of the boundaries thereof, which according to the opinion of the board may be the occasion of contagious or infectious disease, shall be abated, removed or remedied by the person to whom the same belongs, or in whose possession, or on whose property it is; and they shall have power to remove any hogpens in such city or town which in the opinion of the said board it shall be deemed necessary or conducive to public health to remove; *provided, however,* that if it shall appear to the board that any of the said nuisances, hereinbefore mentioned, are caused or produced by any person or persons other than those on whose premises the said nuisance exists, or that the said nuisance or nuisances are caused or produced by water, or filthy, noisome, or unwholesome matter flowing or running from the premises of any other person or persons, or from premises which may be in his, her or their occupation, the said board shall then give directions to cleanse, remove, abate or remedy the same to the person or persons causing or producing such nuisance or nuisances, or to the person or persons from whose premises, or from premises which may be in his, her or their occupation, the same shall flow or run; and if the person to whom such direction is given shall not observe and fulfill the same within the time therein prescribed by the board, the said person or persons shall be deemed guilty of a common nuisance, and upon conviction thereof before a Justice of the Peace shall be fined not less than five dollars, nor more than twenty dollars, with cost of suit, and stand committed to the county jail till the same be paid, or until discharged by law.

SEC. 4. The board, when satisfied, after an examination, that any cellar, room, tenement or building within its jurisdiction, occupied as a dwelling place, has become, by reason of the number of occupants, or want of cleanliness, or other cause, unfit for such

purpose, and a cause of nuisance or sickness to the occupants, or the public, may direct the owner or owners, or occupants thereof to have the premises properly cleansed; or if they see fit, to require the occupants to remove or quit the premises within such time as the board may deem reasonable. If the person or persons so notified, or any of them, neglect or refuse to comply with the direction of the board, the board may cause the premises to be properly cleansed at the expense of the owners, or may remove the occupants forcibly and close up the premises; and they shall not again be occupied as a dwelling place without the permission, in writing, of the board; and if such owner or owners refuse to pay the expenses incident to the execution of such order, the treasurer of the board, or city council, or town commissioners, shall recover the same with interest and costs from the person who ought to have paid the same, as debts of like amounts are recoverable.

SEC. 6. Whenever a board of health shall think it necessary for the preservation of the lives and health of the citizens to enter a place, building, or vessel, within their jurisdiction, for the purpose of examining into and destroying, removing, or preventing any nuisance, source of filth, or cause of sickness, and shall be refused such entry, any member of the board may make complaint under oath, to any Justice of the Peace of his county, stating the facts of the case as far as he has knowledge thereof. Such Justice of the Peace shall thereupon issue a warrant directed to the Sheriff or any Constable of the county, commanding him to take sufficient aid, and being accompanied by two or more members of the board of health, between the hours of sunrise and sunset, repair to the place where such nuisance, source of filth, or cause of disease may exist, and the same destroy, remove or prevent, under the direction of such members of the board.

SEC. 7. Any Justice of the Peace, on application, under oath, showing cause therefor, by a board of health, or any authorized member thereof, shall issue a warrant, under his hand, directed to the Sheriff or any Constable of his county, requiring him, under the direction of the board of health to remove any person or persons infected with contagious disease, or to take possession of condemned houses or lodgings.

SEC. 8. The board of health shall have power, in case of the prevalence, or of reasonable ground to apprehend the prevalence

of malignant disease within its jurisdiction, to direct especially the cleansing of houses, cellars, yards, docks, or other such places as the board shall consider requisite, or prudent, for the preservation of the public health, or for the mitigation of disease, and if such direction shall not be observed and fulfilled, within the time prescribed, by the person or persons to whom the directions were given, the said board shall order an officer of the board, or some other person or persons, to carry the same into effect, and the expenses thereof shall be paid by the person or persons to whom the direction was given unless the board shall otherwise order; and if payment of the same shall not be made on demand, the treasurer of the board, city council, or town commissioners, shall pay the same, and shall recover the same, with interest and costs, from the person who ought to have paid the same, as debts of like amount are recoverable.

SEC. 9. If any person shall cast into the street, lane, or alley, or shall suffer to run or be washed from any slaughter-house, stable, privy, yard, or place, in his or her possession, into any street, lane or alley of any city or town, having a board of health constituted as aforesaid, any blood, garbage, carrion, dead animal, dung, filth, or noisome or other offensive matter; or if any person shall suffer any skins, rags, or other matter, to be in a noisome or offensive state, within or upon property in his or her possession, within said city or town limits, or shall deposit in any of its lots, streets, lanes or alleys, or near any dwelling-house, any contents of any slaughter-house or stable, or any matter in a noisome state, or, having deposited or put such offensive substances in any of the aforesaid places shall not immediately remove the same on the requirement of the board of health, every person so offending shall be guilty of a common nuisance, and upon conviction thereof before a Justice of the Peace shall be fined not less than five dollars nor more than twenty dollars, with costs of suit, and stand committed to the county jail till the same be paid or until discharged by law.

SEC. 10. If any owner, agent, or tenant of any property in the town or city as aforesaid regulated, shall suffer the privy well thereon to be so full that any two members of the board of health shall declare the same to be a nuisance, such owner, his agent, and tenant in possession, shall be either of them responsible after notice—unless such privy shall have been cleansed within one week after such notice—shall be guilty of a common nuisance, and for every

such offense shall, upon conviction thereof before a Justice of the Peace be fined not less than one dollar nor more than twenty dollars, with costs of suit, and stand committed to the county jail until the same be paid, or until discharged by law.

SEC. 11. If any person shall use a slaughter-house, or place belonging thereto, within such city or town limits as aforesaid, after the board of health have pronounced the same noisome, or having used such slaughter-house shall not on the requirement of the board of health immediately and effectually cleanse the same, every person so offending shall be guilty of a common nuisance, and shall, upon conviction thereof before a Justice of the Peace, be fined not less than fifteen dollars nor more than twenty-five dollars, with costs of suit, and stand committed to the county jail till the same be paid, or until discharged by law.

SEC. 12. Every board of health, constituted as aforesaid, shall have power to make orders and regulations in their discretion concerning the place and mode of quarantine; the examination and purification of vessels, boats, and other craft not under quarantine; the treatment of vessels, articles or persons thereof; the regulation of intercourse with infected places; the apprehension, separation and treatment of emigrants and other persons who shall have been exposed to any infectious or contagious disease; to regulate and prohibit or prevent all communication or intercourse with all houses, tenements and places, and the persons occupying the same, in which there shall be any person who shall have been exposed to such contagious or infectious disease.

SEC. 13. The said board of health shall have power to procure suitable places for the reception of persons under quarantine and persons sick with the Asiatic or malignant cholera, or any other malignant or infectious or contagious disease; and in all cases where sick persons cannot otherwise be provided for, to procure for them proper medical and other attendance and necessities.

SEC. 14. A majority of a board of health will form a quorum to do business, a less number may adjourn.

SEC. 15. All vacancies occurring in any board of health by death, or otherwise, shall be filled by the city council or town commissioners, as the case may be; and the same authorities

shall have power to remove, for sufficient cause, any member of the board of health in their respective jurisdictions.

SEC. 16. The Secretary of State shall cause copies of this act to be printed and transmitted within eight weeks after the adjournment of the Legislature, in such manner as he shall think expedient, to the mayor of every city and the commissioners of every incorporated town in this State.

SEC. 17. That from the decision of the Justice of the Peace, under any of the provisions of this act, or to the one hereby amended, there shall be no appeal.

SEC. 18. That all acts or parts of acts inconsistent with the provisions of this act be and the same are hereby repealed.

Passed at Dover, March 18, 1881. Amended April 21, 1887.

CHAPTER 381, VOL. 16.

GENERAL PROVISIONS RESPECTING THE POLICE.

An Act to provide for the Registration of Births, Marriages and Deaths in the State of Delaware.

Be it enacted by the Senate and House of Representatives of the State of Delaware in General Assembly met, as follows:

SECTION 1. The Secretary of the State of Delaware shall, on or before the first day of July, 1881, procure three suitable books for each county in the State, in which respectively may be recorded the births, marriages and deaths occurring within the State, and furnish one book of each kind to the Recorder of Deeds in each county.

SEC. 2. It shall be the duty of said Recorders to record in said books all such births, marriages and deaths as the same may be returned, or lodged in their offices for that purpose; for which service he shall receive from the county five cents for every certificate so recorded. He shall also, at the end of every three months, furnish a copy of such records for the preceding three

months to the Secretary of the State Board of Health, for which copy he shall be paid at the same rate as above provided.

SEC. 3. The books so provided shall be separate and distinct, each from the other, and shall be respectively entitled, "The Register of Births," "The Register of Marriages," and "The Register of Deaths," and shall each be furnished with an index. The Register of Births shall be ruled on each page with columns from top to bottom, each column with an appropriate heading, as follows: Full name of child, sex, color, date and place of birth; father's name, age; occupation, nativity; name of mother previous to marriage, age, nativity; child's number in this family; number by this mother; date of certificate; date of registration.

SEC. 4. It shall be the duty of the physician present at the birth of any child, or (if not present at the time of the birth of the child) who attends the case of any mother during her lying-in period, after the first day of July, 1881, to report to the Recorder of Deeds for the county in which any such child shall have been born, the day, month and year of the birth, the sex and color of the child, and name of the father and mother, on the form to be furnished by the Recorder of the county, and return the certificates so prepared to said Recorder on or before the first days of January, April, July and October in each year, together with the facts relative thereto; and every midwife present at the time of, or within five days after the birth of any child, where no physician is attending said case, after the first day of July, 1881, shall, within ten days after such birth, report to the practicing physician residing nearest her place of residence, the day, month and year of the birth, the sex, and color of the child, and the name of the father and mother, and the physician shall make return in the same manner as if he had been present at such birth, varying only in stating upon whose information he made the certificate, for which service the physician shall receive (five) cents for each certificate so returned by him, to be paid by the county in which such return has been made. Each and every birth so returned shall be registered by the Recorder under the letter of the alphabet to which they respectively belong; and the birth or births therein certified shall be recorded so as to conform to the form prescribed as far as possible; and the record need not be a literal copy, only so that it conform to the facts certified. All certificates so returned to the Recorder shall be filed by him, according to the date of the return.

SEC. 5. The Register of Marriages shall be ruled with columns from top to bottom of each page, and have headings as follows: Full name of groom ; age ; color ; nation or State ; residence ; occupation. Full name of bride ; age ; color ; nation or State ; residence ; names and birthplaces of parents ; date of marriage ; number of previous marriages ; name of person solemnizing the marriage ; date of certificate ; date of registration.

SEC. 6. It shall be the duty of every clergyman, and every magistrate, and of the clerk or keeper of the records of any religious society, by or before whom any marriage or marriages may hereafter be solemnized, or contracted, to make a faithful return of the same every three months by returning the certificate or certificates, in the form issued by the Recorder of Deeds of the county in which such marriage or marriages may have been solemnized or contracted, to the said Recorder. If any certificate shall contain more than one marriage, the Recorder shall register each marriage under the letter of the alphabet to which they respectively belong ; and if any certificate be not in due form, the marriage or marriages therein certified shall be registered by the Recorder in such manner as to conform to the above form as far as practicable, so as to show the facts. All such certificates shall be filed according to their dates.

SEC. 7. The "Register of Deaths" shall on each page be ruled from top to bottom so as to form appropriate headings as follows: Name, age, color, nation or State, if a foreigner, how long in the United States, residence, occupation, married, single or widow, sex, name and nation of parents, cause of death and complications, date of death, date of certificate, date of registration. Whenever any person shall die, it shall be the duty of the physician attending, or of the Coroner, when the case shall come under his notice, to make out under his hand and to furnish to the undertaker a certificate of said death, according to the form furnished by the Recorder of Deeds.

SEC. 8. It shall be the duty of the undertaker in charge in case of a death, to procure from the physician in attendance, or if there have been no physician, then from the family, or from the Coroner, when the case shall have come under his charge, a certificate, prepared according to the form prescribed in the preceding section ; and all such certificates shall be furnished at least every three months to the Recorder of Deeds for the county in

which the death occurred. If any certificate shall contain more than one death, the Recorder shall register such death under the letter of the alphabet to which they respectively belong ; and if any certificate shall not be in due form the death or deaths therein certified shall be registered so as to conform to such form as far as practicable. In the case of the city of Wilmington, the certificate, when filled and signed as heretofore provided, shall be returned to the Register of Births, Marriages and Deaths for that city, to be by him recorded and returned at the end of every three months to the Recorder of Deeds of New Castle county, to be registered by him as above directed.

SEC. 9. If any physician, or coroner, or undertaker, or magistrate, or midwife, or register of death, or clergyman, or clerk of any society by or before which marriages may be solemnized, shall neglect or refuse to comply with the duties imposed on such person by the preceding sections of this act, he shall be fined not less than five nor more than ten dollars for each and every case so neglected or refused ; to be recovered before any Justice of the Peace of the county in which said delinquent resides ; the one-half thereof to the use of the State and the other half thereof to the person who shall sue for the same.

SEC. 10. The books of registration kept by the Recorder, or a duly certified copy thereof, shall be admitted as evidence in any court of law or equity, and in any legal proceedings whatever in this State, where it may be necessary to allege or prove such birth, marriage for death. The Recorder of Deeds shall receive the sum of (thirty) cents for such certificate, and (fifteen) cents for making a search for a birth, marriage or death, to be paid by the person applying for such certificate or search ; but the said register shall at all times be accessible to physicians, clergymen and lawyers without charge.

SEC. 11. It shall be the duty of clergymen or ministers of religion, of all denominations, and magistrates, and of the clerks or keepers of records, all societies, and of all other persons, by or before whom any marriage may hereafter be solemnized or contracted, and of every practicing physician and midwife, and of the register of births, marriages and deaths for the city of Wilmington, and of every undertaker of any cemetery or burying-place, on or before the first day of July, 1881, and hereafter of all such persons as may occupy the position herein mentioned in this

State, to report his, her or their name, or names and place of residence to the Recorder of Deeds of the county in which such person or persons may then reside; and it shall be the duty of the Recorder to have the same alphabetically registered in a suitable book to be by him provided for the purpose. In the event of any of the persons above specified removing to any other place of residence within the State, it shall be the duty of such person to notify the Recorder of Deeds of the county to which he removes of the fact within thirty days after such removal; and if any person as above mentioned shall neglect or refuse to comply with the requirements of this section, shall be fined not less than five dollars nor more than ten dollars, to be recovered as provided in Section 9.

SEC. 12. Every person who is hereby required to return a certificate of a birth, marriage or death to the Recorder of Deeds or Register of Deaths, and shall accordingly make such return, shall be entitled to receive from the Levy Court of the county in which such birth, marriage or death took place, the sum of five cents for each and every return so made: *Provided* such account shall have been certified by the said Recorder or Register. The blank forms requisite to carry out the provisions of this act shall be furnished by the Recorder of each county to each person or persons who are included in Section 11, and who reside in their respective counties; and all the fees and expenses heretofore mentioned shall, when duly certified, be paid by the Levy Court of each county.

SEC. 13. All acts and parts of acts inconsistent herewith or supplied by this act are hereby repealed.

Passed at Dover, April 7, 1881.

CHAPTER 68, VOL. 17.

OF INFECTIOUS DISEASES.

AN ACT to provide for the Vaccination of Children in the Free Schools, and for other purposes.

Be it enacted by the Senate and House of Representatives of the State of Delaware in General Assembly met:

SECTION 1. The trustees or commissioners of school districts and boards of education are required, within one month after the passage of this act, to oblige all children applying for admission to the free schools, and all children who have previously been admitted to the said schools, to be vaccinated, unless already protected from small-pox by vaccination or by an attack of small-pox.

SEC. 2. The said commissioners or boards of education shall have a copy of the foregoing section posted at the door of every school house for two weeks before it shall be carried into effect; such notice shall state how such free vaccination shall be procured under the provisions of this act.

SEC. 3. Persons affected with diphtheria, measles, scarlet fever, or small-pox, shall be excluded from the schools until permission of the proper school officers for such persons to return is granted; and intercourse between the pupils of the schools and the family or house, when there is any case of one of these contagious diseases, must be forbidden until the official permission is given to return to the school.

SEC. 4. Every person who is unable to pay for vaccination, or every child whose parents or guardians are unable to pay for the same, not residing in the City of Wilmington, may be vaccinated by any physician or physicians who may be designated for that purpose by the Trustee of the Poor for each hundred, and for each person or child so vaccinnated, such physicians shall be paid by the Trustee of the Poor for the county the sum of fifty cents. Every such physician shall give a certificate of vaccination to the child so applying.

Passed at Dover, March 21, 1883.

CHAPTER 550, VOL. 18.

OF THE PUBLIC HEALTH.

An Act to amend Chapter 21, Volume 16, Laws of Delaware, entitled "An act to establish a State Board of Health for the State of Delaware.

Be it enacted by the Senate and House of Representatives in General Assembly met: That within thirty days after the passage of this act the Governor shall appoint seven physicians of skill and experience, members of the Medical Society of Delaware, three of whom shall be residents of New Castle county, and two each of Kent and Sussex counties, who shall constitute a board of health, to be called the Board of Health of the State of Delaware. The physicians thus appointed shall be so designated by the Governor that the term of office of one from each county shall expire every two years. Vacancies, however caused, shall be filled by appointment by the Governor.

SEC. 2. *Be it further enacted,* That within thirty days after their appointment the members of the Board of Health shall meet in Dover, Wilmington, or Georgetown, for organization, and shall elect a president, who must, and a secretary, who may, be one of said board, and the successive presidents of the board shall be annually elected by said board from the members thereof. The secretary shall continue in office as such until removed by the election of a successor or by a vote of a majority of the board. He shall be executive officer of said board, and shall receive an annual salary to be fixed by the board. The members of the Board of Health shall not receive a salary, but the actual expenses of any member when engaged in the duties of the board shall be allowed and paid. The Board of Health shall meet at least once every six months, and oftener, if necessary, and four members shall constitute a quorum for the transaction of business. The board shall have power to adopt rules and by-laws for their government, subject to the provisions of this act.

SEC. 3. *Be it further enacted,* That said board shall take cognizance of the interest of health and life among the people of this State; shall encourage the establishment of local boards of health; they shall make inquiries in respect to the causes of disease, espe-

cially of epidemics, and investigate the sources of mortality and the effects of localities, employments, and other conditions upon public health; they shall obtain, collect, and preserve such information relating to health, diseases, and deaths as may be useful in the discharge of their duties and shall contribute to the promotion of health and the security of life in the State of Delaware. And it shall be the duty of all health officers and boards of health in the State to communicate to said State Board of Health copies of their reports and publications, and also all useful sanitary information. And said State Board shall keep a record of their proceedings and acts as a board, and they shall promptly cause all proper information in their possession to be sent to the local health authorities of any village, town or city in the State which may request the same, and shall add thereto such suggestions as the experience of the board may supply. And said State Board of Health are authorized to require reports and information from all public dispensaries, asylums, prisons and schools, and from the managers, principals and officers thereof, and from all other public institutions, their officers and managers, and from the proprietors, managers, lessees and occupants of all places of public resort in the State; but such reports and information shall only be required concerning matters and particulars in respect of which they may need information for the proper discharge of their duties. Said board shall, when requested by public authorities, or when they deem it best, advise officers of the State, county or local governments in regard to drainage, and the location, drainage, ventilation, and sanitary provisions of any public institution, building or public place.

SEC. 4. *Be it further enacted*, That said board shall be an advisory board to the authorities of the State in all matters pertaining to public hygiene; they shall have authority to make special inspection of hospitals, prisons, asylums, almshouses, and other public institutions, and to investigate, by the secretary or committees of the board, the cause of any special disease or mortality in any part of the State, and shall at each regular session of the Legislature submit to it a report of their acts, investigations, and discoveries, with such suggestions as may be deemed proper.

SEC. 5. *Be it further enacted*, That it shall be the duty of said board to have the general supervision of the State system of registration of marriages, births, and deaths; said board shall recommend such forms and amendments of laws as shall be necessary

for the thorough organization and efficiency of registration of vital statistics throughout the State.

SEC. 6. *Be it further enacted*, That the secretary of said board shall be also the superintendent of registration of vital statistics, as supervised by said board, and shall execute the orders of the board, and superintend the work prescribed by this act. He shall obtain from the recorders of the several counties, and properly arrange the recorded information respecting vital statistics. He shall prepare blank forms of returns, and such instructions as may be necessary, and shall supply the same to the officers of local boards of health, to physicians, and such officials as may be necessary, in order to obtain the information requisite for annual reports, and he shall, under the direction of the board, publish and distribute such information as would be valuable to the citizens of the State on the subject of sanitation.

SEC. 7. *Be it further enacted*, That the salary of the secretary shall be paid semi-annually, which, and all other necessary expenses of the State Board of Health, incurred in accordance with the provisions of this act, shall be paid by the treasurer of the State, out of the moneys not otherwise appropriated, upon the order of the president of the board, countersigned by the secretary. *Provided* that all the expenses of the said State Board of Health, including the salary of the secretary, shall not exceed in any one year the sum of five hundred dollars.

SEC. 8. The Secretary of the State Board of Health shall annually, in the month of November, present to the Auditor of Accounts all the books of the financial doings of the board, together with all vouchers, for settlement.

SEC. 9. Any person refusing, failing, or neglecting to perform the duties required of them under the provisions of this act as hereby amended shall, upon conviction thereof before any Justice of the Peace of the county in which they shall reside, be fined not less than five dollars nor more than twenty-five dollars, together with costs.

Passed at Dover, April 25th, 1889.

STATEMENT

Showing deaths for the year ending June 30th, 1890.

NEW CASTLE COUNTY.

Deaths for the quarter ending September 30th, 1888.

| CAUSE. | NO. |
|---|-----|
| Alcoholism, | 1 |
| Croup, | 4 |
| Carbuncle, | 1 |
| Cholera Morbus, | 1 |
| Cholera Infantum, | 64 |
| Cerebro Spinal Meningitis, | 4 |
| Diarrhœa, | 2 |
| Dysentery, | 4 |
| Diphtheria, | 8 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 1 |
| Puerperal Fever, | 2 |
| Pyæmia, | 1 |
| Remittent Fever, | 1 |
| Rheumatism, | 0 |
| Scarlet Fever, | 1 |
| Small Pox, (at the Almshouse) | 2 |
| Syphilis (Congenital) | 0 |
| Syphilis, | 1 |
| Septicæmia, | 1 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 19 |
| Whooping Cough, | 5 |
| Zymotic diseases, | 123 |

| | |
|---|-----|
| Typho Malaria, | 5 |
| Typhoid Pneumonia, | 1 |
| Cancer, | 10 |
| Consumption, | 72 |
| Meningitis, | 18 |
| Congestion of Lungs, | 3 |
| Malarial Fever, | 2 |
| Bright's Disease | 6 |
| Bronchitis, | 5 |
| Heart Disease, | 30 |
| Pneumonia, | 5 |
| Accidents, | 4 |
| Accidents on Railroads, | 9 |
| Disease of the Brain, | 11 |
| Disease of the Bowels, | 78 |
| Drowned, | 2 |
| Insanity, | 8 |
| Old Age, | 7 |
| Unknown, | 3 |
| Child Birth, | 1 |
| Congestive Chill, | 2 |
| Suicide, | 2 |
| Pleurisy, | 1 |
| Tetanus, | 1 |
| All other diseases, | 79 |
| Total, | 506 |
| Still Born, | 11 |
| Premature Births, | 3 |
| Brought here from other States for interment, | 33 |
| Males, | 245 |
| Females, | 261 |
| White, | 407 |
| Colored, | 99 |
| Born in United States, | 451 |
| Foreign, | 55 |
| Under one year, | 174 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|----|
| From 1 to 5 years, | 52 |
| From 5 to 10 years, | 17 |
| From 10 to 20 years, | 26 |
| From 20 to 40 years, | 78 |
| From 40 to 60 years, | 70 |
| From 60 to 70 years, | 34 |
| From 70 to 80 years, | 32 |
| From 80 to 90 years, | 11 |
| From 90 to 100 years, | 2 |
| Not stated, | 9 |

BIRTHS.

| | |
|-------------------------|-----|
| White, | 347 |
| Colored, | 25 |
| Total, | 372 |
| Males, | 193 |
| Females, | 179 |
| Total Births, | 372 |

MARRIAGES.

| | |
|----------------------------|-----|
| White, | 109 |
| Colored, | 13 |
| Total Marriages, | 122 |

Deaths for the quarter ending December 31st, 1888.

| CAUSES. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 16 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 2 |
| Cerebro Spinal Meningitis, | 2 |
| Diarrhœa, | 0 |

| | |
|-----------------------------------|-----|
| Dysentery, | 0 |
| Diphtheria, | 6 |
| Erysipelas, | 1 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 1 |
| Pyæmia, | 0 |
| Remittent Fever, | 1 |
| Rheumatism, | 1 |
| Scarlet Fever, | 4 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 1 |
| Tonsillitis, | 0 |
| Typhoid Fever, | 9 |
| Whooping Cough, | 1 |
| <hr/> | |
| Total Zymotic diseases, | 45 |
| Cancer, | 12 |
| Consumption, | 47 |
| Meningitis, | 7 |
| Bright's Disease, | 5 |
| Bronchitis, | 11 |
| Heart Disease, | 24 |
| Pneumonia, | 21 |
| Accidents, | 6 |
| Accidents on Railroads, | 5 |
| Disease of the Brain, | 19 |
| Disease of the Bowels, | 27 |
| Old Age, | 9 |
| Drowned, | 1 |
| Malarial Fever, | 2 |
| Peritonitis, | 2 |
| Albumenuria, | 2 |
| Child Birth, | 3 |
| Not stated, | 1 |
| All other diseases, | 58 |
| <hr/> | |
| Total, | 307 |

| | |
|---------------------------------------|-----|
| Still Born, | 7 |
| Brought here for interment, | 11 |
| Males, | 166 |
| Females, | 141 |
| White, | 261 |
| Colored, | 46 |
| Born in the United States, | 266 |
| Foreign, | 41 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|----|
| Under 1 year, | 51 |
| From 1 to 5 years, | 50 |
| From 5 to 10 years, | 17 |
| From 10 to 20 years, | 19 |
| From 20 to 40 years, | 58 |
| From 40 to 60 years, | 37 |
| From 60 to 70 years, | 30 |
| From 70 to 80 years, | 27 |
| From 80 to 90 years, | 10 |
| From 90 to 100 years, | 2 |

John Crawford, 102 years, 412 Orange street ; born in Ireland.

BIRTHS.

| | |
|-------------------------|-----|
| White, | 453 |
| Colored, | 42 |
| Total, | 495 |
| Males, | 248 |
| Females, | 247 |
| Total Births, | 495 |

MARRIAGES.

| | |
|----------------------------|-----|
| White, | 124 |
| Colored, | 24 |
| Total Marriages, | 148 |

Deaths for the quarter ending March 31st, 1889.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 1 |
| Croup, | 10 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 3 |
| Cerebro Spinal Meningitis, | 2 |
| Diarrhœa, | 1 |
| Dysentery, | 0 |
| Diphtheria, | 6 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 0 |
| Remittent Fever, | 0 |
| Rheumatism, | 3 |
| Scarlet Fever, | 7 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 1 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 6 |
| Whooping Cough, | 0 |
| <hr/> | |
| Zymotic diseases, | 40 |
| Cancer, | 15 |
| Consumption, | 74 |
| Scrofula, | 2 |
| Albumenuria, | 1 |
| Meningitis, | 11 |
| Bright's Disease, | 7 |
| Bronchitis, | 11 |
| Heart Disease, | 31 |
| Pneumonia, | 34 |
| Accidents, | 5 |
| Accidents on Railroads, | 6 |

| | |
|---------------------------------------|-----|
| Disease of the Brain, | 11 |
| Disease of the Bowels, | 13 |
| Peritonitis, | 5 |
| Old Age, | 9 |
| Not stated, | 2 |
| Malarial Fever, | 1 |
| Drowned, | 1 |
| Gunshot Wound, | 4 |
| Child Birth, | 1 |
| Congestive Chill, | 1 |
| Typhoid Pneumonia, | 1 |
| Pleurisy, | 1 |
| Tetanus, | 1 |
| All other diseases, | 93 |
| Total, | 381 |
| Still Born, | 20 |
| Premature Births, | 5 |
| Brought here for interment, | 8 |
| White, | 315 |
| Colored, | 66 |
| Males, | 185 |
| Females, | 196 |
| Born in the United States, | 311 |
| Foreign Born, | 74 |

AGES OF DECEDENTS.

| | |
|---------------------------------|----|
| Under 1 year, | 64 |
| From 1 to 5 years, | 34 |
| From 5 to 10 years, | 14 |
| From 10 to 20 years, | 22 |
| From 20 to 40 years, | 74 |
| From 40 to 60 years, | 68 |
| From 60 to 70 years, | 36 |
| From 70 to 80 years, | 45 |
| From 80 to 90 years, | 18 |
| From 90 to 100 years, | 2 |
| Not stated, | 4 |

BIRTHS.

| | |
|-------------------------|-----|
| Whites, | 382 |
| Colored, | 21 |
| Total, | 403 |
| Males, | 224 |
| Females, | 179 |
| Total Births, | 403 |

MARRIAGES.

| | |
|----------------------------|-----|
| White, | 131 |
| Colored, | 24 |
| Total Marriages, | 155 |

Deaths for the quarter ending June 31st, 1889.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 4 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 18 |
| Cerebro Spinal Meningitis, | 3 |
| Diarrhœa, | 0 |
| Dysentery, | 0 |
| Diphtheria, | 5 |
| Erysipelas, | 0 |
| Intermittent Fever, | 2 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 2 |
| Pyæmia, | 2 |
| Remittent Fever, | 2 |
| Rheumatism, | 1 |
| Scarlet Fever, | 6 |
| Small Pox, | 0 |

| | |
|---------------------------------------|-----|
| Syphilis (Congenital), | 0 |
| Syphilis, | 1 |
| Septicæmia, | 0 |
| Tonsilitis, | 1 |
| Typhoid Fever, | 4 |
| Whooping Cough, | 1 |
| <hr/> | |
| Zymotic diseases, | 52 |
| Cancer, | 6 |
| Consumption, | 44 |
| Meningitis, | 14 |
| Bright's Disease, | 8 |
| Bronchitis, | 3 |
| Heart Disease, | 27 |
| Pneumonia, | 15 |
| Accidents, | 4 |
| Accidents on Railroads, | 8 |
| Disease of the Brain, | 21 |
| Disease of the Bowels, | 24 |
| Typhoid Pneumonia, | 2 |
| Drowned, | 1 |
| Old Age, | 2 |
| Peritonitis, | 3 |
| Congestion of the Lungs, | 4 |
| Bilious Fever, | 1 |
| Congestive Chill, | 1 |
| Tetanus, | 1 |
| Gunshot Wound, | 1 |
| All other diseases, | 78 |
| <hr/> | |
| Total, | 320 |
| Still Born, | 14 |
| Premature Births, | 8 |
| Brought here for interment, | 14 |

DEATHS.

| | |
|--------------------|-----|
| Males, | 160 |
| Females, | 160 |
| White, | 260 |
| Colored, | 60 |

| | |
|--------------------------------------|-----|
| Born in the United States, | 272 |
| Foreign Born, | 48 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|----|
| Under one year, | 84 |
| From 1 to 5 years, | 30 |
| From 5 to 10 years, | 6 |
| From 10 to 20 years, | 17 |
| From 20 to 40 years, | 58 |
| From 40 to 60 years, | 47 |
| From 60 to 70 years, | 26 |
| From 70 to 80 years, | 35 |
| From 80 to 90 years, | 8 |
| From 90 to 100 years, | 4 |
| Age not stated, | 5 |

BIRTHS.

| | |
|-------------------------|-----|
| White, | 315 |
| Colored, | 52 |
| Total, | 367 |
| Males, | 187 |
| Females, | 180 |
| Total Births, | 367 |

MARRIAGES,

| | |
|----------------------------|-----|
| White, | 251 |
| Colored, | 16 |
| Total Marriages, | 167 |

RECAPITULATION

Of Marriages, Births and Deaths in New Castle County for the year ending July 1st, 1889.

| | First quarter. | Second quarter. | Third quarter. | Fourth quarter. | Total. |
|-------------------------------|-------------------|--------------------|-------------------|--------------------|--------|
| Alcoholism, | 1 | 0 | 1 | 0 | 2 |
| Croup, | 4 | 16 | 10 | 4 | 34 |
| Carbuncle, | 1 | 0 | 0 | 0 | 1 |
| Cholera morbus, | 1 | 0 | 0 | 0 | 1 |
| Cholera infantum, | 64 | 2 | 3 | 18 | 87 |
| Cerebro spinal meningitis, . | 4 | 2 | 2 | 3 | 11 |
| Diarrhœa, | 2 | 0 | 1 | 0 | 3 |
| Dysentery, | 4 | 0 | 0 | 0 | 4 |
| Diphtheria, | 8 | 6 | 6 | 5 | 25 |
| Erysipelas, | 0 | 1 | 0 | 0 | 1 |
| Intermittent fever, | 0 | 0 | 0 | 2 | 2 |
| Measles, | 0 | 0 | 0 | 0 | 0 |
| Purpura, | 1 | 0 | 0 | 0 | 1 |
| Puerperal fever, | 2 | 1 | 0 | 2 | 5 |
| Pyæmia, | 1 | 0 | 0 | 2 | 3 |
| Remittent fever, | 1 | 1 | 0 | 2 | 4 |
| Rheumatism, | 0 | 1 | 3 | 1 | 5 |
| Scarlet fever, | 1 | 4 | 7 | 6 | 18 |
| Small-pox, | 2 | 0 | 0 | 0 | 2 |
| Syphilis (congenital), . . . | 0 | 0 | 0 | 0 | 0 |
| Syphilis, | 1 | 0 | 0 | 1 | 2 |
| Septicæmia, | 1 | 1 | 1 | 0 | 3 |
| Tonsilitis, | 0 | 0 | 0 | 1 | 1 |
| Typhoid fever, | 19 | 9 | 6 | 4 | 38 |
| Whooping-cough, | 5 | 1 | 0 | 1 | 7 |
| <hr/> | | | | | |
| Zymotic diseases, | 123 | 45 | 40 | 52 | 260 |
| Cancer, | 10 | 12 | 15 | 6 | 43 |
| Consumption, | 72 | 47 | 74 | 44 | 237 |
| Meningitis, | 18 | 7 | 11 | 14 | 50 |
| Congestton of the lungs, . | 3 | 0 | 0 | 4 | 7 |
| Malarial fever, | 2 | 2 | 1 | 0 | 5 |
| Bright's disease, | 6 | 5 | 7 | 8 | 26 |

| | First quarter. | Second quarter. | Third quarter. | Fourth quarter. | Total |
|--|-------------------|--------------------|-------------------|--------------------|-------|
| Bronchitis, | 5 | 11 | 11 | 3 | 30 |
| Heart disease, | 30 | 24 | 31 | 27 | 112 |
| Pneumonia, | 5 | 21 | 34 | 15 | 75 |
| Accidents, | 4 | 6 | 5 | 4 | 19 |
| Accidents on railroads, . . | 9 | 5 | 6 | 8 | 28 |
| Disease of the brain, . . . | 11 | 19 | 11 | 21 | 62 |
| Disease of the bowels, . . . | 78 | 27 | 13 | 24 | 142 |
| Typho-malarial fever, . . . | 5 | 0 | 0 | 0 | 5 |
| Typhoid-pneumonia, | 1 | 0 | 1 | 2 | 4 |
| Drowned, | 2 | 1 | 1 | 1 | 5 |
| Insanity, | 8 | 0 | 0 | 0 | 8 |
| Old age, | 7 | 9 | 9 | 2 | 27 |
| Unknown, not stated, . . . | 3 | 1 | 2 | 0 | 6 |
| Child-birth, | 1 | 3 | 1 | 0 | 5 |
| Congestive chill, | 2 | 0 | 0 | 0 | 4 |
| Suicide, | 2 | 0 | 0 | 0 | 2 |
| Pleurisy, | 1 | 0 | 1 | 0 | 2 |
| Tetanus, | 1 | 0 | 1 | 1 | 3 |
| All other diseases, | 97 | 58 | 93 | 78 | 326 |
| <hr/> Totals, | 506 | | | | |
| Peritonitis, | | 2 | 5 | 3 | 10 |
| Albuminuria, | | 2 | 1 | 0 | 3 |
| <hr/> Total, | | 307 | | | |
| Gunshot wound, | | | 4 | 1 | 5 |
| Scrofula, | | | 2 | 0 | 2 |
| <hr/> Total, | | | 381 | | |
| Bilious fever, | | | | 1 | 1 |
| <hr/> Total, | | | | 320 | |
| <hr/> Total deaths in New Castle county, | | | | | 1514 |

SEX, COLOR AND NATIVITY OF THE DECEDENTS

In New Castle County, for the year ending July 1st, 1889.

| | Males. | Female. | White. | Colored. | Native. | Foreign. |
|---------------------------------------|-----------|-----------|------------|-----------|------------|-----------|
| 1st quarter, . . . | 245 | 261 | 407 | 99 | 451 | 55 |
| 2d quarter, . . . | 166 | 141 | 261 | 46 | 266 | 41 |
| 3d quarter, . . . | 185 | 196 | 315 | 66 | 311 | 70 |
| 4th quarter, . . . | 160 | 160 | 260 | 60 | 272 | 48 |
| | <hr/> 756 | <hr/> 758 | <hr/> 1243 | <hr/> 271 | <hr/> 1300 | <hr/> 214 |
| | | 756 | | | | |
| Total deaths, . | | 1514 | | | | |
| Still-born, | | | | | | 52 |
| Premature births, | | | | | | 16 |
| Brought here for interment, | | | | | | 66 |

AGES OF DECEDENTS.

| | |
|---|-----|
| Under one year of age, | 373 |
| From one to five years, | 166 |
| From five to ten years, | 54 |
| From ten to twenty years, | 84 |
| From twenty to forty years, | 268 |
| From forty to sixty years, | 222 |
| From sixty to seventy years, | 126 |
| From seventy to eighty years, | 139 |
| From eighty to ninety years, | 47 |
| From ninety to one hundred years, | 8 |
| Over one hundred years, | 1 |
| Age not stated, | 18 |

BIRTHS.

| | White. | Colored. | Males. | Females. | Totals. |
|------------------------|------------|-----------|-----------|-----------|------------|
| 1st quarter, | 347 | 25 | 193 | 179 | 372 |
| 2d quarter, | 453 | 42 | 248 | 247 | 495 |
| 3d quarter, | 382 | 21 | 224 | 179 | 403 |
| 4th quarter, | 315 | 32 | 187 | 180 | 367 |
| | <hr/> 1497 | <hr/> 140 | <hr/> 852 | <hr/> 785 | <hr/> 1637 |
| Totals, | | | | | |

MARRIAGES.

| | White. | Colored. | Totals. |
|------------------------|--------|----------|---------|
| 1st quarter, | 109 | 13 | 122 |
| 2d quarter, | 124 | 24 | 148 |
| 3d quarter, | 131 | 24 | 155 |
| 4th quarter, | 151 | 16 | 167 |
| Totals, | 515 | 77 | 592 |

KENT COUNTY.

Deaths for the quarter ending October 1st, 1888.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 3 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 8 |
| Cerebro Spinal Meningitis, | 0 |
| Diarrhoea, | 0 |
| Dysentery, | 2 |
| Diphtheria, | 3 |
| Erysipelas, | 1 |
| Intermittent Fever, | 0 |
| Measles, | 2 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 1 |
| Remittent Fever, | 0 |
| Rheumatism, | 0 |
| Scarlet Fever, | 0 |
| Small Pox, | 0 |
| Syphilis (Congenital) | 0 |

| | |
|-----------------------------------|-----|
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 2 |
| Whooping Cough, | 9 |
| <hr/> | |
| Zymotic diseases, | 31 |
| Cancer, | 3 |
| Consumption, | 24 |
| Inflammation of Lungs, | 1 |
| Meningitis, | 3 |
| Bright's Disease | 1 |
| Bronchitis, | 1 |
| Heart Disease, | 5 |
| Pneumonia, | 10 |
| Accidents, | 2 |
| Accidents on Railroads, | 1 |
| Disease of the Brain, | 5 |
| Disease of the Bowels, | 7 |
| Child Birth, | 1 |
| Peritonitis, | 1 |
| Drowned, | 2 |
| Old Age, | 2 |
| Coal Gas Poisoning, | 1 |
| Goitre, | 1 |
| Not stated, | 13 |
| All other diseases, | 29 |
| <hr/> | |
| Total, | 144 |
| Still Born, | 3 |
| White, | 93 |
| Colored, | 51 |
| Males, | 72 |
| Females, | 72 |
| Born in United States, | 138 |
| Foreign Born, | 6 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|----|
| Under one year, | 23 |
| From 1 to 5 years, | 27 |
| From 5 to 10 years, | 7 |
| From 10 to 20 years, | 12 |
| From 20 to 40 years, | 17 |
| From 40 to 60 years, | 22 |
| From 60 to 70 years, | 11 |
| From 70 to 80 years, | 13 |
| From 80 to 90 years, | 7 |
| From 90 to 100 years, | 3 |
| Age not stated, | 3 |

BIRTHS.

| | |
|--------------------|----|
| White, | 11 |
| Colored, | 1 |
| Total, | 12 |
| Males, | 5 |
| Females, | 7 |
| Total, | 12 |

MARRIAGES.

| | |
|--------------------|----|
| White, | 12 |
| Colored, | 16 |
| Total, | 28 |

Deaths for the quarter ending December 31st, 1888.

| CAUSE. | NO. |
|-----------------------|-----|
| Alcoholism, | 0 |
| Croup, | 0 |
| Carbuncle, | 0 |

| | |
|--------------------------------------|---|
| Cholera Morbus, | 0 |
| Cholera Infantum, | 1 |
| Cerebro Spinal Meningitis, | 0 |
| Diarrhœa, | 0 |
| Dysentery, | 0 |
| Diphtheria, | 0 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 0 |
| Remittent Fever, | 0 |
| Rheumatism, | 0 |
| Scarlet Fever, | 0 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Tonsillities, | 0 |
| Typhoid Fever, | 3 |
| Whooping Cough, | 0 |

| | |
|-----------------------------|---|
| Zymotic diseases, | 4 |
|-----------------------------|---|

| | |
|-----------------------------------|---|
| Cancer, | 3 |
| Consumption, | 4 |
| Peritonitis, | 1 |
| Pleurisy, | 1 |
| Meningitis, | 1 |
| Bright's Disease, | 0 |
| Bronchitis, | 0 |
| Hearth Disease, | 1 |
| Pneumonia, | 0 |
| Accidents, | 0 |
| Accidents on Railroads, | 0 |
| Disease of the Brain, | 2 |
| Disease of the Bowels, | 0 |
| Old Age, | 2 |
| Uremia, | 1 |
| Dropsy, | 2 |
| Burned, | 1 |
| Not stated, | 4 |

| | |
|---|----|
| Sarcoma of Face, | 1 |
| Quinsy, | 1 |
| Odema of Lungs, | 1 |
| Asthma, | 1 |
| Chronic Constitutional Disease, | 1 |
| <hr/> | |
| Total, | 32 |
| Brought here for interment, | 1 |
| Still Born, | 1 |
| White, | 22 |
| Colored, | 10 |
| Males, | 7 |
| Females, | 25 |
| Born in the United States, | 32 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|---|
| Under 1 year, | 5 |
| From 1 to 5 years, | 3 |
| From 5 to 10 years, | 3 |
| From 10 to 20 years, | 1 |
| From 20 to 40 years, | 9 |
| From 40 to 60 years, | 4 |
| From 60 to 80 years, | 1 |
| From 80 to 90 years, | 2 |
| From 90 to 100 years, | 1 |
| Not stated, | 4 |

BIRTHS.

| | |
|-------------------------|----|
| White, | 59 |
| Colored, | 11 |
| <hr/> | |
| Total, | 70 |
| Males, | 42 |
| Females, | 28 |
| <hr/> | |
| Total Births, | 70 |

MARRIAGES.

| | |
|----------------------------|----|
| White, | 72 |
| Colored, | 12 |
| Total Marriages, | 88 |

Deaths for the quarter ending March 31st, 1889.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 3 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 13 |
| Cerebro Spinal Meningitis, | 0 |
| Diarrhœa, | 0 |
| Dysentery, | 1 |
| Diphtheria, | 3 |
| Erysipelas, | 1 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 1 |
| Remittent Fever, | 0 |
| Rheumatism, | 0 |
| Scarlet Fever, | 0 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 3 |
| Whooping Cough, | 0 |
| Zymotic diseases, | 25 |
| Cancer, | 2 |
| Consumption, | 21 |

| | |
|--------------------------------------|-----|
| Meningitis, | 2 |
| Bright's Disease, | 1 |
| Bronchitis, | 1 |
| Heart Disease, | 7 |
| Pneumonia, | 16 |
| Accidents, | 1 |
| Accidents on Railroads, | 1 |
| Disease of the Brain, | 8 |
| Disease of the Bowels, | 8 |
| Gastric Fever, | 1 |
| Old Age, | 7 |
| Congestion of Lungs, | 1 |
| Child Birth, | 1 |
| Bilious Pleurisy, | 1 |
| Drowned, | 1 |
| Not stated, | 8 |
| All other diseases, | 46 |
| <hr/> | |
| Total, | 159 |
| Still Born, | 1 |
| White, | 111 |
| Colored, | 48 |
| Males, | 73 |
| Females, | 86 |
| Born in the United States, | 153 |
| Foreign Born, | 6 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year, | 25 |
| From 1 to 5 years, | 13 |
| From 5 to 10 years, | 8 |
| From 10 to 20 years, | 7 |
| From 20 to 40 years, | 31 |
| From 40 to 60 years, | 13 |
| From 60 to 70 years, | 19 |
| From 70 to 80 years, | 25 |
| From 80 to 90 years, | 11 |
| Ages not stated, | 8 |

BIRTHS.

| | |
|-------------------------|----|
| White, | 51 |
| Colored, | 7 |
| Total, | 58 |
| Males, | 30 |
| Females, | 28 |
| Total Births, | 58 |

MARRIAGES.

| | |
|----------------------------|----|
| White, | 50 |
| Colored, | 6 |
| Total Marriages, | 56 |

Deaths for the quarter ending July 1st, 1889.

| CAUSES. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 0 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 0 |
| Cerebro Spinal Meningitis, | 0 |
| Diarrhœa, | 0 |
| Dysentery, | 0 |
| Diphtheria, | 0 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 0 |
| Remittent Fever, | 0 |
| Rheumatism, | 6 |
| Scarlet Fever, | 0 |

| | |
|--------------------------------------|----|
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 0 |
| Whooping Cough, | 1 |
| <hr/> | |
| Zymotic diseases, | 1 |
| Cancer, | 1 |
| Consumption, | 3 |
| Bright's Disease, | 0 |
| Bronchitis, | 1 |
| Heart Disease, | 3 |
| Pneumonia, | 4 |
| Accidents, | 0 |
| Accidents on Railroads, | 0 |
| Disease of the Brain, | 1 |
| Disease of the Bowels, | 1 |
| Dropsy, | 2 |
| Lock Jaw, | 1 |
| Premature Birth, | 1 |
| Inflammation of Lungs, | 2 |
| Thrown from a horse, | 1 |
| Fractured skull, | 1 |
| Peritonitis, | 1 |
| Poisoning Accident, | 1 |
| Diseases not stated, | 10 |
| <hr/> | |
| Total, | 35 |
| White, | 21 |
| Colored, | 14 |
| Males, | 20 |
| Females, | 15 |
| Born in the United States, | 35 |

AGES OF THE DECEDENTS.

| | |
|------------------------------|---|
| Under 1 year, | 4 |
| From 1 to 5 years, | 4 |

| | |
|--------------------------------|---|
| From 5 to 10 years, | 1 |
| From 10 to 20 years, | 2 |
| From 20 to 40 years, | 7 |
| From 40 to 60 years, | 3 |
| From 60 to 70 years, | 6 |
| From 70 to 80 years, | 3 |
| From 80 to 90 years, | 3 |
| Not stated, | 2 |

BIRTHS.

| | |
|-------------------------|----|
| White, | 16 |
| Colored, | 4 |
| Total, | 20 |
| Males, | 11 |
| Females, | 9 |
| Total Births, | 20 |

MARRIAGES.

| | |
|----------------------------|----|
| White, | 15 |
| Colored, | 11 |
| Total Marriages, | 26 |

RECAPITULATION

*Of Marriages, Births and Deaths in Kent County for the year
ending July 1st, 1889.*

| | First quarter. | Second quarter. | Third quarter. | Fourth quarter. | Total. |
|--------------------------------|-------------------|--------------------|-------------------|--------------------|--------|
| Alcoholism, | 0 | 0 | 0 | 0 | 0 |
| Croup, | 3 | 0 | 3 | 0 | 6 |
| Carbuncle, | 0 | 0 | 0 | 0 | 0 |
| Cholera morbus, | 0 | 0 | 0 | 0 | 0 |
| Cholera infantum, | 8 | 1 | 13 | 0 | 22 |
| Cerebro spinal meningitis, . | 0 | 0 | 0 | 0 | 0 |
| Diarrhœa, | 0 | 0 | 0 | 0 | 0 |
| Dysentery, | 2 | 0 | 1 | 0 | 3 |
| Diphtheria, | 3 | 0 | 3 | 0 | 6 |
| Erysipelas, | 1 | 0 | 1 | 0 | 2 |
| Intermittent fever, | 0 | 0 | 0 | 0 | 0 |
| Measles, | 2 | 0 | 0 | 0 | 2 |
| Purpura, | 0 | 0 | 0 | 0 | 0 |
| Puerperal fever, | 0 | 0 | 0 | 0 | 0 |
| Pyæmia, | 1 | 0 | 1 | 0 | 2 |
| Remittent fever, | 0 | 0 | 0 | 0 | 0 |
| Rheumatism, | 0 | 0 | 0 | 0 | 0 |
| Scarlet fever, | 0 | 0 | 0 | 0 | 0 |
| Small-pox, | 0 | 0 | 0 | 0 | 0 |
| Syphilis (congenital), | 0 | 0 | 0 | 0 | 0 |
| Syphilis, | 0 | 0 | 0 | 0 | 0 |
| Septicæmia, | 0 | 0 | 0 | 0 | 0 |
| Tonsilitis, | 0 | 0 | 0 | 0 | 0 |
| Typhoid fever, | 2 | 3 | 3 | 0 | 8 |
| Whooping-cough, | 9 | 0 | 0 | 1 | 10 |
| <hr/> | | | | | |
| Zymotic diseases, | 31 | 4 | 25 | 1 | 61 |
| Gastric fever, | 0 | 0 | 1 | 0 | 1 |
| Cancer, | 3 | 3 | 2 | 1 | 9 |
| Consumption, | 24 | 4 | 21 | 3 | 52 |
| Inflammation of the lungs, . | 1 | 0 | 0 | 2 | 3 |
| Meningitis, | 3 | 1 | 2 | 0 | 6 |
| Congestion of the lungs, . | 0 | 0 | 1 | 0 | 1 |

| | First quarter. | Second quarter. | Third quarter. | Fourth quarter. | Total |
|--|-------------------|--------------------|-------------------|--------------------|-------|
| Bright's disease, | 1 | 0 | 1 | 0 | 2 |
| Bronchitis, | 1 | 0 | 1 | 1 | 3 |
| Heart disease, | 5 | 1 | 7 | 3 | 16 |
| Pneumonia, | 10 | 0 | 16 | 4 | 30 |
| Accidents, | 2 | 0 | 1 | 0 | 3 |
| Accidents on railroads, . . | 1 | 0 | 1 | 0 | 2 |
| Disease of the brain, . . . | 5 | 2 | 8 | 1 | 16 |
| Disease of the bowels, . . | 7 | 0 | 8 | 1 | 16 |
| Child-birth, | 1 | 0 | 1 | 0 | 2 |
| Peritonitis, | 1 | 0 | 0 | 1 | 2 |
| Drowned, | 2 | 0 | 1 | 0 | 3 |
| Old age, | 2 | 2 | 7 | 0 | 11 |
| Coal gas poisoning, | 1 | 0 | 0 | 0 | 1 |
| Goitre, | 1 | 0 | 0 | 0 | 1 |
| All other diseases, | 29 | 0 | 0 | 0 | 29 |
| Not stated, | 13 | 0 | 0 | 0 | 13 |
| | <hr/> | | | | 144 |
| Uremia, | | 1 | 0 | 0 | 1 |
| Dropsy, | | 2 | 0 | 2 | 4 |
| Burned, | | 1 | 0 | 0 | 1 |
| Not stated, | | 4 | 8 | 10 | 22 |
| Sarcoma of face, | | 1 | 0 | 0 | 1 |
| Quin, | | 1 | 0 | 0 | 1 |
| Œdema of lungs, | | 1 | 0 | 0 | 1 |
| Asthma, | | 1 | 0 | 0 | 1 |
| Other diseases, | | 0 | 0 | 5 | 5 |
| | | | | <hr/> | |
| Total, | | | | 35 | |
| Chronic constitutional dis- ease, | | 1 | 0 | | 1 |
| Pleurisy, | | 1 | 1 | | 2 |
| Peritonitis, | | 1 | 0 | | 1 |
| | | <hr/> | | | |
| Total, | | 32 | | | |
| All other diseases, | | | 46 | | 46 |
| | | | <hr/> | | |
| Total, | | | 159 | | |
| Total in Kent for one year, | | | | | 370 |

SEX, COLOR AND NATIVITY OF THE DECEDENTS,

In Kent County, for the year ending July 1st, 1889.

| | Males. | Females. | White. | Colored. | Native. | Foreign. |
|--------------------|--------|----------|--------|----------|---------|----------|
| 1st quarter, . . . | 72 | 72 | 93 | 51 | 138 | 6 |
| 2d quarter, . . . | 7 | 25 | 22 | 10 | 32 | 0 |
| 3d quarter, . . . | 73 | 86 | 111 | 48 | 153 | 6 |
| 4th quarter, . . . | 20 | 15 | 21 | 14 | 35 | 0 |
| | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
| | 172 | 198 | 247 | 123 | 358 | 12 |

| | |
|---------------------------------------|---|
| Still-born, | 5 |
| Brought here for interment, | 1 |

AGES OF DECEDENTS.

| | |
|---|----|
| Under one year, | 57 |
| From one to five years, | 47 |
| From five to ten years, | 19 |
| From ten to twenty years, | 22 |
| From twenty to forty years, | 54 |
| From forty to sixty years, | 42 |
| From sixty to seventy years, | 37 |
| From seventy to eighty years, | 43 |
| From eighty to ninety years, | 22 |
| From ninety to one hundred years, | 3 |
| Age not stated, | 15 |

BIRTHS.

| | White. | Colored. | Males. | Females. | Totals. |
|------------------------|--------|----------|--------|----------|---------|
| 1st quarter, | 11 | 1 | 5 | 7 | 12 |
| 2d quarter, | 59 | 11 | 42 | 28 | 70 |
| 3d quarter, | 51 | 7 | 30 | 28 | 58 |
| 4th quarter, | 16 | 4 | 11 | 9 | 20 |
| | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
| | 137 | 23 | 98 | 72 | 160 |
| | | 137 | | | |
| | | <hr/> | | | |
| | | 160 | | | |

MARRIAGES.

| | White. | Colored. | Totals. |
|------------------------|--------|----------|---------|
| 1st quarter, | 12 | 16 | 28 |
| 2d quarter, | 72 | 12 | 84 |
| 3d quarter, | 50 | 6 | 56 |
| 4th quarter, | 15 | 11 | 26 |
| Total, | 149 | 45 | 194 |

SUSSEX COUNTY.

Deaths for the quarter ending October 1st, 1888.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 0 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 2 |
| Cerebro Spinal Meningitis, | 0 |
| Diarrhœa, | 0 |
| Dysentery, | 7 |
| Diphtheria, | 2 |
| Erysipelas, | 0 |
| Intermittent Fever, | 1 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 0 |
| Remittent Fever, | 0 |
| Rheumatism, | 1 |
| Scarlet Fever, | 0 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |

| | |
|--------------------------------------|-----|
| Septicæmia, | 0 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 11 |
| Whooping Cough, | 0 |
| <hr/> | |
| Zymodic disease, | 24 |
| Cancer, | 2 |
| Consumption, | 17 |
| Meningitis, | 2 |
| Peritonitis, | 1 |
| Bright's Disease, | 0 |
| Bronchitis, | 0 |
| Heart Disease, | 5 |
| Pneumonia, | 3 |
| Accidents, | 0 |
| Accidents on Railroads, | 0 |
| Disease of the Brain, | 4 |
| Disease of the Bowels, | 4 |
| Malarial Fever, | 1 |
| Old Age, | 2 |
| Drowned, | 1 |
| Tetanus, | 1 |
| Child Birth, | 1 |
| Pleurisy, | 1 |
| Diseases not stated, | 64 |
| All other diseases, | 8 |
| <hr/> | |
| Total, | 141 |
| Whites, | 122 |
| Colored, | 19 |
| Males, | 76 |
| Females, | 65 |
| Born in the United States, | 141 |
| Foreign Born, | 0 |

AGES OF THE DECEDENTS.

| | |
|-------------------------------|----|
| Under one year, | 33 |
| From 1 to 5 years, | 18 |
| From 5 to 10 years, | 7 |

| | |
|--------------------------------|----|
| From 10 to 20 years, | 14 |
| From 20 to 40 years, | 24 |
| From 40 to 60 years, | 13 |
| From 60 to 70 years, | 13 |
| From 70 to 80 years, | 13 |
| From 80 to 90 years, | 3 |
| Age not stated, | 3 |

BIRTHS.

| | |
|-------------------------|----|
| White, | 36 |
| Colored, | 4 |
| Total, | 40 |
| Males, | 20 |
| Females, | 20 |
| Total Births, | 40 |

MARRIAGES.

| | |
|----------------------------|----|
| White, | 20 |
| Colored, | 1 |
| Total Marriages, | 21 |

Deaths for the quarter ending December 31st, 1888.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 1 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 5 |
| Cerebro Spinal Meningitis, | 0 |
| Diarrhœa, | 0 |
| Dysentery, | 0 |
| Diphtheria, | 1 |

| | |
|-----------------------------------|----|
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 0 |
| Remittent Fever, | 1 |
| Rheumatism, | 0 |
| Scarlet Fever, | 0 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 3 |
| Whooping Cough, | 1 |
| Yellow Fever, | 1 |
| <hr/> | |
| Zymotic diseases, | 13 |
| Cancer, | 2 |
| Consumption, | 6 |
| Meningitis, | 1 |
| Peritonitis, | 1 |
| Bright's Disease, | 1 |
| Bronchitis, | 0 |
| Heart Disease, | 4 |
| Pneumonia, | 3 |
| Accidents, | 0 |
| Accidents on Railroads, | 0 |
| Disease of the Brain, | 4 |
| Disease of the Bowels, | 1 |
| Paralysis, | 1 |
| Premature Births, | 1 |
| Old Age, | 2 |
| Exhaustion, | 1 |
| Not stated, | 4 |
| <hr/> | |
| Total, | 45 |
| White, | 41 |
| Colored, | 4 |

| | |
|--------------------|----|
| Males, | 22 |
| Females, | 23 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|---|
| Under 1 year, | 9 |
| From 1 to 5 years, | 4 |
| From 5 to 10 years, | 3 |
| From 10 to 20 years, | 4 |
| From 20 to 40 years, | 7 |
| From 40 to 60 years, | 4 |
| From 60 to 70 years, | 3 |
| From 70 to 80 years, | 5 |
| From 80 to 90 years, | 2 |
| Not stated, | 4 |

BIRTHS.

| | |
|--------------------|----|
| Males, | 13 |
| Females, | 9 |
| Total, | 22 |
| White, | 20 |
| Colored, | 2 |
| Total, | 22 |

MARRIAGES.

| | |
|--------------------|----|
| Whites, | 44 |
| Colored, | 1 |
| Total, | 45 |

Deaths for the quarter ending March 1st, 1889.

| CAUSE. | NO. |
|-----------------------|-----|
| Alcoholism, | 0 |
| Croup, | 2 |
| Carbuncle, | 0 |

| | |
|--------------------------------------|---|
| Cholera Morbus, | 0 |
| Cholera Infantum, | 4 |
| Cerebro Spinal Meningitis, | 0 |
| Diarrhœa, | 0 |
| Dysentery, | 2 |
| Diphtheria, | 4 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 0 |
| Remittent Fever, | 0 |
| Rheumatism, | 0 |
| Scarlet Fever, | 0 |
| Small Pox, | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 2 |
| Whooping Cough, | 0 |

| | |
|-----------------------------|----|
| Zymotic diseases, | 14 |
|-----------------------------|----|

| | |
|-----------------------------------|----|
| Cancer, | 1 |
| Consumption, | 17 |
| Bright's Disease | 3 |
| Bronchitis, | 2 |
| Heart Disease, | 8 |
| Pneumonia, | 18 |
| Accidents, | 4 |
| Accidents on Railroads, | 0 |
| Disease of the Brain, | 5 |
| Disease of the Bowels, | 0 |
| Old Age, | 7 |
| Congestion, | 1 |
| Rubeola, | 1 |
| General Debility, | 3 |
| Paralysis, | 3 |
| Drowned, | 1 |

| | |
|----------------------------|----|
| Suicide, | 1 |
| Peritonitis, | 1 |
| Malarial Fever, | 1 |
| Premature Birth, | 1 |
| Not stated, | 17 |

| | |
|------------------|-----|
| Total, | 109 |
|------------------|-----|

| | |
|--------------------|----|
| White, | 94 |
| Colored, | 15 |

| | |
|--------------------|----|
| Males, | 66 |
| Females, | 43 |

| | |
|--------------------------------------|-----|
| Born in the United States, | 108 |
| Africa, | 1 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|----|
| Under 1 year, | 19 |
| From 1 to 5 years, | 12 |
| From 5 to 10 years, | 4 |
| From 10 to 20 years, | 2 |
| From 20 to 40 years, | 16 |
| From 40 to 60 years, | 15 |
| From 60 to 70 years, | 12 |
| From 70 to 80 years, | 12 |
| From 80 to 90 years, | 5 |
| From 90 to 100 years, | 1 |
| Ages not stated, | 11 |

BIRTHS.

| | |
|--------------------|----|
| White, | 58 |
| Colored, | 2 |

| | |
|------------------|----|
| Total, | 60 |
|------------------|----|

| | |
|--------------------|----|
| Males, | 25 |
| Females, | 35 |

| | |
|-------------------------|----|
| Total Births, | 60 |
|-------------------------|----|

MARRIAGES.

| | |
|--------------------|-------|
| White, | 72 |
| Colored, | 18 |
| | <hr/> |
| Total, | 90 |

Deaths for the quarter ending July 1st, 1889.

| CAUSE. | NO. |
|--------------------------------------|-------|
| Alcoholism, | 0 |
| Croup, | 5 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 3 |
| Cerebro Spinal Meningitis, | 0 |
| Diarrhœa, | 1 |
| Dysentery, | 8 |
| Diphtheria, | 2 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 2 |
| Pyæmia, | 1 |
| Remittent Fever, | 0 |
| Rheumatism, | 0 |
| Scarlet Fever, | 0 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 3 |
| Whooping Cough, | 0 |
| | <hr/> |
| Zymotic diseases, | 26 |

| | |
|-----------------------------------|-----|
| Cancer, | 4 |
| Consumption, | 29 |
| Meningitis, | 3 |
| Bright's Disease, | 0 |
| Bronchitis, | 0 |
| Heart Disease, | 6 |
| Pneumonia, | 8 |
| Accidents, | 3 |
| Accidents on Railroads, | 0 |
| Disease of the Brain, | 9 |
| Disease of the Bowels, | 10 |
| Drowned, | 2 |
| Child Birth, | 2 |
| Not stated, | 29 |
| All other diseases, | 19 |
| Total, | 150 |
| Still Born, | 1 |
| White, | 135 |
| Colored, | 14 |
| Males, | 78 |
| Females, | 71 |
| Born in United States, | 147 |
| Foreign Born, | 2 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|----|
| Under 1 year, | 23 |
| From 1 to 5 years, | 12 |
| From 5 to 10 years, | 6 |
| From 10 to 20 years, | 7 |
| From 20 to 40 years, | 27 |
| From 40 to 60 years, | 21 |
| From 60 to 70 years, | 14 |
| From 70 to 80 years, | 16 |
| From 80 to 90 years, | 10 |
| From 90 to 100 years, | 1 |
| Age not stated, | 12 |

BIRTHS.

| | |
|--------------------|-------|
| White, | 73 |
| Colored, | 1 |
| | <hr/> |
| Total, | 74 |
| Males, | 39 |
| Females, | 35 |
| | <hr/> |
| Total, | 74 |

MARRIAGES.

| | |
|--------------------|-------|
| White, | 49 |
| Colored, | 5 |
| | <hr/> |
| Total, | 54 |

RECAPITULATION

Of Marriages, Births and Deaths in Sussex County for the year ending July 1st, 1889.

| | First quarter. | Second quarter. | Third quarter. | Fourth quarter. | Total. |
|--------------------------------|-------------------|--------------------|-------------------|--------------------|--------|
| Alcoholism, | 0 | 0 | 0 | 0 | 0 |
| Croup, | 0 | 1 | 2 | 5 | 8 |
| Carbuncle, | 0 | 0 | 0 | 0 | 0 |
| Cholera morbus, | 0 | 0 | 0 | 0 | 0 |
| Cholera infantum, | 2 | 5 | 4 | 3 | 14 |
| Cerebro spinal meningitis, . | 0 | 0 | 0 | 0 | 0 |
| Diarrhœa, | 0 | 0 | 0 | 1 | 1 |
| Dysentery, | 7 | 0 | 2 | 8 | 17 |
| Diphtheria, | 2 | 1 | 4 | 2 | 9 |
| Erysipelas, | 0 | 0 | 0 | 0 | 0 |
| Intermittent fever, | 1 | 0 | 0 | 0 | 1 |
| Measles, | 0 | 0 | 0 | 0 | 0 |
| Purpura, | 0 | 0 | 0 | 0 | 0 |
| Puerperal fever, | 0 | 0 | 0 | 2 | 2 |
| Pyæmia, | 0 | 0 | 0 | 1 | 1 |
| Remittent fever, | 0 | 1 | 0 | 0 | 1 |
| Rheumatism, | 1 | 0 | 0 | 1 | 2 |
| Scarlet fever, | 0 | 0 | 0 | 0 | 0 |
| Small-pox, | 0 | 0 | 0 | 0 | 0 |
| Syphilis (congenital), | 0 | 0 | 0 | 0 | 0 |
| Syphilis, | 0 | 0 | 0 | 0 | 0 |
| Septicæmia, | 0 | 0 | 0 | 0 | 0 |
| Tonsilitis, | 0 | 0 | 0 | 0 | 0 |
| Typhoid fever, | 11 | 3 | 2 | 3 | 19 |
| Whooping-cough, | 0 | 1 | 0 | 0 | 1 |
| Yellow fever, | 0 | 1 | 0 | 0 | 1 |
| <hr/> | | | | | |
| Zymotic diseases, | 24 | 13 | 14 | 26 | 77 |
| Cancer, | 2 | 2 | 1 | 4 | 9 |
| Consumption, | 17 | 6 | 17 | 29 | 69 |
| Meningitis, | 2 | 1 | 0 | 3 | 6 |
| Peritonitis, | 1 | 1 | 1 | 0 | 3 |

| | First quarter. | Second quarter. | Third quarter. | Fourth quarter. | Total. |
|-------------------------------|-------------------|--------------------|-------------------|--------------------|--------|
| Bright's disease, | 0 | 1 | 3 | 0 | 4 |
| Bronchitis, | 0 | 0 | 2 | 0 | 2 |
| Heart disease, | 5 | 4 | 8 | 6 | 23 |
| Pneumonia, | 3 | 3 | 18 | 8 | 32 |
| Accidents, | 0 | 0 | 4 | 3 | 7 |
| Accidents on railroads, . . . | 0 | 0 | 0 | 0 | 0 |
| Disease of the brain, . . . | 4 | 4 | 5 | 9 | 22 |
| Disease of the bowels, . . . | 4 | 1 | 0 | 10 | 15 |
| Malarial fever, | 1 | 0 | 1 | 0 | 2 |
| Old age, | 2 | 2 | 7 | 0 | 11 |
| Drowned, | 1 | 0 | 1 | 2 | 4 |
| Tetanus, | 1 | 0 | 0 | 0 | 1 |
| Child-birth, | 1 | 0 | 0 | 2 | 3 |
| Pleurisy, | 1 | 0 | 0 | 0 | 1 |
| Not stated, | 64 | 4 | 17 | 29 | 114 |
| All other diseases, | 8 | 0 | 0 | 19 | 27 |
| Total, | 141 | | | 150 | |
| Paralysis, | | 1 | 0 | | 1 |
| Premature birth, | | 1 | 1 | | 2 |
| Exhaustion, | | 1 | 0 | | 1 |
| Total, | | 45 | | | |
| Suicide, | | | 1 | | 1 |
| General debility, | | | 3 | | 3 |
| Rubeola, | | | 1 | | 1 |
| Paralysis, | | | 3 | | 3 |
| Congestion, | | | 1 | | 1 |
| Total, | | | 109 | | 445 |

SEX, COLOR AND NATIVITY OF THE DECEDENTS

In Sussex County, for the year ending July 1st, 1889.

| | White. | Colored. | Males. | Females. | U. S. | Foreign. |
|-----------------------|--------|----------|--------|----------|-------|----------|
| First quarter, . . | 122 | 19 | 76 | 65 | 141 | 0 |
| Second quarter, . | 41 | 4 | 22 | 23 | 43 | 2 |
| Third quarter, . . | 94 | 15 | 66 | 43 | 108 | 1 |
| Fourth quarter, . | 135 | 14 | 78 | 71 | 147 | 2 |
| | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
| | 392 | 52 | 142 | 202 | 439 | 5 |
| Still-born, | | | | | | 1 |

AGES OF DECEDENTS.

| | |
|---|----|
| Under one year of age, | 84 |
| From one to five years, | 46 |
| From five to ten years, | 20 |
| From ten to twenty years, | 27 |
| From twenty to forty years, | 64 |
| From forty to sixty years, | 55 |
| From sixty to seventy years, | 42 |
| From seventy to eighty years, | 46 |
| From eighty to ninety years, | 20 |
| From ninety to one hundred years, | 2 |
| Over one hundred years, | 0 |
| Ages not stated, | 30 |

BIRTHS.

| | White. | Colored. | Males. | Females. | Total. |
|---------------------------|--------|----------|--------|----------|--------|
| First quarter, | 36 | 4 | 20 | 20 | 40 |
| Second quarter, | 13 | 9 | 20 | 2 | 22 |
| Third quarter, | 58 | 2 | 25 | 35 | 60 |
| Fourth quarter, | 73 | 1 | 39 | 35 | 74 |
| | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
| | 180 | 16 | 104 | 92 | 196 |

MARRIAGES.

| | White. | Colored. | Totals. |
|---------------------------|--------|----------|---------|
| First quarter, | 20 | 1 | 21 |
| Second quarter, | 44 | 1 | 45 |
| Third quarter, | 72 | 18 | 90 |
| Fourth quarter, | 49 | 5 | 54 |
| | <hr/> | <hr/> | <hr/> |
| | 185 | 25 | 210 |

RECAPITULATION

*Of Deaths, Marriages and Births in the State of Delaware
during the year ending June 30th, 1889.*

DEATHS.

| | White. | Colored. | Total. |
|------------------------------|--------|----------|--------|
| New Castle County, | 1243 | 271 | 1514 |
| Kent County, | 247 | 123 | 370 |
| Sussex County, | 392 | 52 | 444 |
| Total, | 1882 | 446 | 2328 |

Death rate in the 1000 inhabitants, 13.80.

Zymotics.

New Castle County, 260; Kent, 61; Sussex, 77; total, 398.

Percentage of deaths from zymotics to the whole number of deaths is 17.09 per cent.

As compared with the year ending June 30th, 1887: Deaths, White, 1728; Colored, 461; not stated, 34; total, 2224.

MARRIAGES.

| | White. | Colored. | Total. |
|------------------------------|--------|----------|--------|
| New Castle County, | 515 | 77 | 592 |
| Kent County, | 149 | 45 | 194 |
| Sussex County, | 185 | 25 | 210 |
| Total, 1889, | 849 | 147 | 996 |
| " 1887, | 793 | 124 | 937 |

BIRTHS.

| | White. | Colored. | Total. |
|------------------------------|--------|----------|--------|
| New Castle County, | 1497 | 140 | 1637 |
| Kent County, | 137 | 23 | 160 |
| Sussex County, | 180 | 16 | 196 |
| Total, 1889, | 1814 | 179 | 1993 |
| " 1887, | 1656 | 126 | 1785 |

Total deaths in the State for the year ending June 30, 1889, 2328

Total marriages in the State for the year ending June 30, 1889, 996

Total births in the State for the year ending June 30, 1889, 1993

Deaths over births, 335.

STATEMENT

Showing deaths for the year ending June 30th, 1890.

NEW CASTLE COUNTY.

Deaths for the quarter ending March 31st, 1889.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 3 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 48 |
| Cerebro Spinal Meningitis, | 4 |
| Diarrhœa, | 3 |
| Dysentery, | 11 |
| Diphtheria, | 3 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 1 |
| Purpura, | 1 |
| Puerperal Fever, | 2 |
| Pyæmia, | 0 |
| Remittent Fever, | 1 |
| Rheumatism, | 1 |
| Scarlet Fever, | 4 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 1 |

| | |
|--------------------------------------|-----|
| Tonsilitis, | 0 |
| Typhoid Fever, | 16 |
| Whooping Cough, | 2 |
| <hr/> | |
| Zymotic diseases, | 101 |
| Cancer, | 10 |
| Consumption, | 49 |
| Meningitis, | 8 |
| Peritonitis, | 2 |
| Bright's Disease, | 8 |
| Bronchitis, | 6 |
| Heart Disease, | 23 |
| Pneumonia, | 10 |
| Accidents, | 4 |
| Accidents on Railroads, | 9 |
| Disease of the Brain, | 28 |
| Disease of the Bowels, | 68 |
| Drowned, | 6 |
| Old Age, | 10 |
| Sun Stroke, | 1 |
| Gunshot Wound, | 1 |
| Congestive Chill, | 1 |
| Child Birth, | 3 |
| Suicide, | 2 |
| All other diseases, | 66 |
| <hr/> | |
| Total, | 416 |
| Still Born, | 13 |
| Premature Births, | 7 |
| Brought here, | 8 |
| White, | 341 |
| Colored, | 75 |
| Males, | 225 |
| Females, | 191 |
| Born in the United States, | 365 |
| Foreign Born, | 51 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|-----|
| Under 1 year, | 148 |
| From 1 to 5 years, | 40 |
| From 5 to 10 years, | 15 |
| From 10 to 20 years, | 18 |
| From 20 to 40 years, | 64 |
| From 40 to 60 years, | 49 |
| From 60 to 70 years, | 36 |
| From 70 to 80 years, | 22 |
| From 80 to 90 years, | 14 |
| From 90 to 100 years, | 3 |
| Not stated, | 7 |

BIRTHS.

| | |
|-------------------------|-----|
| White, | 389 |
| Colored, | 27 |
| Total, | 416 |
| Males, | 183 |
| Females, | 233 |
| Total Births, | 416 |

MARRIAGES.

| | |
|----------------------------|-----|
| White, | 110 |
| Colored, | 20 |
| Total Marriages, | 130 |

Deaths for the quarter ending December 31st, 1889.

| CAUSES. | NO. |
|---------------------------|-----|
| Alcoholism, | 1 |
| Croup, | 16 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |

| | |
|--------------------------------------|----|
| Cholera Infantum, | 1 |
| Cerebro Spinal Meningitis, | 0 |
| Diarrhœa, | 2 |
| Dysentery, | 2 |
| Diphtheria, | 4 |
| Erysipelas, | 0 |
| Intermittent Fever, | 1 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 2 |
| Remittent Fever, | 0 |
| Rheumatism, | 0 |
| Scarlet Fever, | 1 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 14 |
| Whooping Cough, | 2 |
| <hr/> | |
| Zymotic diseases, | 46 |
| Cancer, | 7 |
| Consumption, | 44 |
| Meningitis, | 13 |
| Peritonitis, | 0 |
| Bright's Disease, | 8 |
| Bronchitis, | 6 |
| Heart Disease, | 38 |
| Pneumonia, | 19 |
| Accidents, | 4 |
| Accidents on Railroads, | 5 |
| Disease of the Brain, | 16 |
| Disease of the Bowels, | 33 |
| Old Age, | 11 |
| Child Birth, | 1 |
| Congestive Chill, | 1 |
| Malarial Fever, | 3 |
| Congestion of the Lungs, | 2 |

| | |
|---------------------------------------|-----|
| Peritonitis, | 2 |
| All other diseases, | 68 |
| Total, | 327 |
| Still Born, | 15 |
| Brought here for interment, | 18 |
| Premature births, | 7 |
| White, | 259 |
| Colored, | 68 |
| Males, | 175 |
| Females, | 152 |
| Born in the United States, | 279 |
| Foreign Born, | 48 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|----|
| Under 1 year, | 80 |
| From 1 to 5 years, | 32 |
| From 5 to 10 years, | 12 |
| From 10 to 20 years, | 26 |
| From 20 to 40 years, | 57 |
| From 40 to 60 years, | 50 |
| From 60 to 70 years, | 20 |
| From 70 to 80 years, | 26 |
| From 80 to 90 years, | 9 |
| From 90 to 100 years, | 10 |
| Age not stated, | 5 |

BIRTHS.

| | |
|-------------------------|-----|
| White, | 479 |
| Colored, | 34 |
| Total, | 513 |
| Males, | 247 |
| Females, | 266 |
| Total Births, | 513 |

MARRIAGES.

| | |
|----------------------------|-----|
| White, | 166 |
| Colored, | 23 |
| Total Marriages, | 189 |

Deaths for the quarter ending March 31st, 1890.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 21 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 1 |
| Cerebro Spinal Meningitis, | 3 |
| Diarrhœa, | 2 |
| Dysentery, | 0 |
| Diphtheria, | 6 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 13 |
| Purpura, | 0 |
| Puerperal Fever, | 1 |
| Pyæmia, | 2 |
| Remittent Fever, | 0 |
| Rheumatism, | 0 |
| Scarlet Fever, | 5 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 2 |
| Syphilis, | 0 |
| Septicæmia, | 2 |
| Tonsillitis, | 0 |
| Typhoid Fever, | 17 |
| Whooping Cough, | 0 |
| Zymotic diseases, | 75 |

| | |
|--------------------------------------|-----|
| Cancer, | 7 |
| Consumption, | 78 |
| Meningitis, | 10 |
| Bright's Disease, | 11 |
| Bronchitis, | 20 |
| Heart Disease, | 38 |
| Pneumonia, | 61 |
| Accidents, | 3 |
| Accidents on Railroads, | 13 |
| Disease of the Brain, | 22 |
| Disease of the Bowels, | 25 |
| Murder, | 1 |
| Inflammation of the Lungs, | 7 |
| Drowned, | 13 |
| Influenza, | 13 |
| Old Age, | 7 |
| Peritonitis, | 5 |
| Malarial Fever, | 3 |
| All other diseases, | 115 |

Total, 507

| | |
|---------------------------------------|----|
| Still Born, | 11 |
| Brought here for interment, | 22 |
| Premature Births, | 7 |

| | |
|--------------------|-----|
| Whites, | 393 |
| Colored, | 110 |

| | |
|--------------------|-----|
| Males, | 273 |
| Females, | 230 |

| | |
|--------------------------------------|-----|
| Born in the United States, | 419 |
| Foreign Born, | 84 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|-----|
| Under 1 year, | 87 |
| From 1 to 5 years, | 73 |
| From 5 to 10 years, | 23 |
| From 10 to 20 years, | 23 |
| From 20 to 40 years, | 104 |
| From 40 to 60 years, | 78 |

| | |
|---------------------------------|----|
| From 60 to 70 years, | 40 |
| From 70 to 80 years, | 42 |
| From 80 to 90 years, | 25 |
| From 90 to 100 years, | 5 |
| Ages not stated, | 3 |

BIRTHS.

| | |
|-------------------------|-----|
| White, | 360 |
| Colored, | 36 |
| Total, | 396 |
| Males, | 209 |
| Females, | 187 |
| Total Births, | 396 |

MARRIAGES.

| | |
|--------------------|-----|
| Whites, | 100 |
| Colored, | 24 |
| Total, | 124 |

Deaths for the quarter ending June 30th, 1890.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 3 |
| Carbuncle, | 0 |
| Cholera Morbus, | 1 |
| Cholera Infantum, | 59 |
| Cerebro Spinal Meningitis, | 4 |
| Diarrhœa, | 5 |
| Dysentery, | 10 |
| Diphtheria, | 4 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |

| | |
|----------------------------------|----|
| Measles, | 5 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 1 |
| Remittent Fever, | 1 |
| Rheumatism, | 0 |
| Scarlet Fever, | 3 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 2 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 13 |
| Whooping Cough, | 8 |

Zymotic disease, 119

| | |
|------------------------------------|-----|
| Cancer, | 10 |
| Consumption, | 68 |
| Meningitis, | 22 |
| Bright's Disease | 9 |
| Bronchitis, | 7 |
| Heart Disease, | 40 |
| Pneumonia, | 48 |
| Accidents, | 5 |
| Accidents on Railroads, | 13 |
| Disease of the Brain, | 30 |
| Disease of the Bowels, | 52 |
| Drowned, | 8 |
| Old Age, | 12 |
| Peritonitis, | 6 |
| Congestion of the Lungs, | 2 |
| Tetanus, | 3 |
| Pleurisy, | 2 |
| Influenza, | 1 |
| Gunshot Wound, | 1 |
| Suicide, | 1 |
| Sun Stroke, | 1 |
| Child Birth, | 1 |
| All other diseases, | 106 |

Total, 567

| | |
|---------------------------------------|-----|
| Still Born, | 22 |
| Brought here for interment, | 17 |
| Premature Births, | 8 |
| White, | 426 |
| Colored, | 141 |
| Males, | 316 |
| Females, | 251 |
| Born in the United States, | 507 |
| Foreign born, | 60 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|-----|
| Under 1 year, | 161 |
| From 1 to 5 years, | 88 |
| From 5 to 10 years, | 18 |
| From 10 to 20 years, | 29 |
| From 20 to 40 years, | 79 |
| From 40 to 60 years, | 75 |
| From 60 to 70 years, | 47 |
| From 70 to 80 years, | 44 |
| From 80 to 90 years, | 20 |
| From 90 to 100 years, | 3 |
| Age not stated, | 3 |

BIRTHS.

| | |
|-------------------------|-----|
| White, | 434 |
| Colored, | 41 |
| Total, | 475 |
| Males, | 242 |
| Females, | 233 |
| Total Births, | 475 |

MARRIAGES.

| | |
|----------------------------|-----|
| White, | 114 |
| Colored, | 23 |
| Total Marriages, | 137 |

RECAPITULATION

*Of Marriages, Births and Deaths in New Castle County for the
year ending July 1st, 1890.*

| | First quarter. | Second quarter. | Third quarter. | Fourth quarter. | Total. |
|--------------------------------------|-------------------|--------------------|-------------------|--------------------|--------|
| Alcoholism, | 0 | 1 | 0 | 0 | 1 |
| Croup, | 3 | 16 | 21 | 3 | 43 |
| Carbuncle, | 0 | 0 | 0 | 0 | 0 |
| Cholera morbus, | 0 | 0 | 0 | 1 | 1 |
| Cholera infantum, | 48 | 1 | 1 | 59 | 109 |
| Cerebro spinal meningitis, | 4 | 0 | 3 | 4 | 11 |
| Diarrhœa, | 3 | 2 | 2 | 5 | 12 |
| Dysentery, | 11 | 2 | 0 | 10 | 23 |
| Diphtheria, | 3 | 4 | 6 | 4 | 17 |
| Erysipelas, | 0 | 0 | 0 | 0 | 0 |
| Intermittent fever, | 0 | 1 | 0 | 0 | 1 |
| Measles, | 1 | 0 | 13 | 5 | 19 |
| Purpura, | 1 | 0 | 0 | 0 | 1 |
| Puerperal fever, | 2 | 0 | 1 | 0 | 3 |
| Pyæmia, | 0 | 2 | 2 | 1 | 5 |
| Remittent fever, | 1 | 0 | 0 | 1 | 2 |
| Rheumatism, | 1 | 0 | 0 | 0 | 1 |
| Scarlet fever, | 4 | 1 | 5 | 3 | 13 |
| Small-pox, | 0 | 0 | 0 | 0 | 0 |
| Syphilis (congenital), | 0 | 0 | 2 | 0 | 2 |
| Syphilis, | 0 | 0 | 0 | 0 | 0 |
| Septicæmia, | 1 | 0 | 2 | 2 | 5 |
| Tonsilitis, | 0 | 0 | 0 | 0 | 0 |
| Typhoid fever, | 16 | 14 | 17 | 13 | 60 |
| Whooping-cough, | 2 | 2 | 0 | 8 | 12 |
| Zymotics, | 101 | 46 | 75 | 119 | 341 |
| Congestion of the lungs, | 0 | 2 | 7 | 2 | 11 |
| Cancer, | 10 | 7 | 7 | 10 | 34 |
| Consumption, | 49 | 44 | 78 | 68 | 239 |
| Meningitis, | 8 | 13 | 10 | 22 | 53 |
| Peritonitis, | 2 | 2 | 5 | 6 | 15 |
| Malarial fever, | 0 | 3 | 3 | 0 | 6 |
| Bright's disease, | 8 | 8 | 11 | 9 | 36 |
| Bronchitis, | 6 | 6 | 20 | 7 | 39 |

| | First quarter. | Second quarter. | Third quarter. | Fourth quarter. | Total. |
|--|-------------------|--------------------|-------------------|--------------------|--------|
| Heart disease, | 23 | 38 | 38 | 40 | 139 |
| Pneumonia, | 10 | 19 | 61 | 48 | 138 |
| Accidents, | 4 | 4 | 3 | 5 | 16 |
| Accidents on railroads, | 9 | 5 | 3 | 13 | 30 |
| Disease of the brain, | 28 | 16 | 22 | 30 | 96 |
| Disease of the bowels, | 68 | 33 | 25 | 52 | 178 |
| Drowned, | 6 | 0 | 3 | 8 | 17 |
| Old age, | 10 | 11 | 7 | 12 | 40 |
| Sunstroke, | 1 | 1 | 0 | 1 | 3 |
| Gunshot wound, | 1 | 0 | 0 | 1 | 2 |
| Congestive chill, | 1 | 1 | 0 | 0 | 2 |
| Child-birth, | 3 | 1 | 0 | 1 | 5 |
| Suicide, | 2 | 0 | 0 | 1 | 3 |
| All other diseases, | 66 | 68 | 115 | 1 | |
| Total, | 416 | 327 | | | |
| Influenza, | | | 13 | 1 | 14 |
| Murder, | | | 1 | 0 | 1 |
| Total, | | | 507 | | |
| Tetanus, | | | | 3 | 3 |
| Pleurisy, | | | | 2 | 2 |
| All other diseases, | | | | 106 | 355 |
| Total, | | | | 567 | |
| Total deaths in New Castle county, | | | | | 1817 |

SEX, COLOR AND NATIVITY OF THE DECEDENTS,

In New Castle County, for the year ending July 1st, 1889.

| | Males. | Females. | White. | Colored. | Native. | Foreign. |
|------------------------|--------|----------|--------|----------|---------|----------|
| 1st quarter, | 225 | 191 | 341 | 75 | 365 | 51 |
| 2d quarter, | 175 | 152 | 259 | 68 | 279 | 48 |
| 3d quarter, | 273 | 230 | 393 | 110 | 419 | 84 |
| 4th quarter, | 316 | 251 | 426 | 141 | 507 | 60 |
| | 989 | 824 | 1419 | 394 | 1570 | 243 |
| | | 989 | | | | |
| Total, | | 1813 | | | | |

| | |
|---------------------------------------|----|
| Still-born, | 39 |
| Premature birth, | 21 |
| Brought here for interment, | 48 |

AGES OF DECEDENTS.

| | |
|---|-----|
| Under one year, | 476 |
| From one to five years, | 233 |
| From five to ten years, | 78 |
| From ten to twenty years, | 96 |
| From twenty to forty years, | 304 |
| From forty to sixty years, | 252 |
| From sixty to seventy years, | 137 |
| From seventy to eighty years, | 134 |
| From eighty to ninety years, | 68 |
| From ninety to one hundred years, | 21 |
| Age not stated, | 18 |

BIRTHS.

| | White. | Colored. | Males. | Females. | Totals. |
|------------------------|------------|-----------|-----------|-----------|------------|
| 1st quarter, | 389 | 27 | 183 | 233 | 416 |
| 2d quarter, | 479 | 34 | 247 | 266 | 513 |
| 3d quarter, | 360 | 36 | 209 | 187 | 396 |
| 4th quarter, | 434 | 41 | 242 | 233 | 475 |
| | <hr/> 1762 | <hr/> 138 | <hr/> 881 | <hr/> 899 | <hr/> 1800 |

MARRIAGES.

| | White. | Colored. | Totals. |
|----------------------------|-----------|----------|-----------|
| 1st quarter, | 110 | 20 | 130 |
| 2d quarter, | 166 | 23 | 189 |
| 3d quarter, | 100 | 24 | 124 |
| 4th quarter, | 114 | 23 | 137 |
| | <hr/> 490 | <hr/> 90 | <hr/> 580 |
| | 90 | | |
| Total Marriages, | 580 | | |

KENT COUNTY.

Deaths for the quarter ending October 1st, 1889.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 4 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 27 |
| Cerebro Spinal Meningitis, | 1 |
| Diarrhœa, | 0 |
| Dysentery, | 8 |
| Diphtheria, | 0 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 2 |
| Pyæmia, | 2 |
| Remittent Fever, | 1 |
| Rheumatism, | 1 |
| Scarlet Fever, | 0 |
| Small Pox, | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 6 |
| Whooping Cough, | 2 |
| <hr/> | |
| Zymotic diseases, | 54 |
| Cancer, | 2 |
| Consumption, | 32 |
| Meningitis, | 1 |
| Bright's Disease, | 3 |
| Bronchitis, | 1 |
| Heart Disease, | 8 |
| Pneumonia, | 7 |

| | |
|-----------------------------------|----|
| Accidents, | 0 |
| Accidents on Railroads, | 0 |
| Disease of the Brain, | 3 |
| Disease of the Bowels, | 9 |
| Child Birth, | 1 |
| Tetanus, | 1 |
| Old Age, | 2 |
| Drowned, | 1 |
| Suicide, | 1 |
| All other diseases, | 42 |

| | |
|------------------|-----|
| Total, | 168 |
|------------------|-----|

| | |
|-----------------------|---|
| Still Born, | 1 |
|-----------------------|---|

| | |
|--------------------------------------|-----|
| Born in the United States, | 164 |
| Foreign Born, | 3 |

| | |
|--------------------|-----|
| White, | 121 |
| Colored, | 46 |

| | |
|--------------------|----|
| Males, | 81 |
| Females, | 86 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|----|
| Under 1 year, | 43 |
| From 1 to 5 years, | 12 |
| From 5 to 10 years, | 6 |
| From 10 to 20 years, | 10 |
| From 20 to 40 years, | 38 |
| From 40 to 60 years, | 19 |
| From 60 to 70 years, | 14 |
| From 70 to 80 years, | 16 |
| From 80 to 90 years, | 4 |
| From 90 to 100 years, | 1 |
| Not stated, | 5 |

BIRTHS.

| | |
|--------------------|----|
| Males, | 37 |
| Females, | 28 |

| | |
|------------------|----|
| Total, | 65 |
|------------------|----|

| | |
|--------------------|----|
| White, | 53 |
| Colored, | 12 |
| Total, | 65 |

MARRIAGES.

| | |
|--------------------|----|
| White, | 28 |
| Colored, | 14 |
| Total, | 42 |

Deaths for the quarter ending December 31st, 1889, and to March 9th, 1890.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 15 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 3 |
| Cerebro Spinal Meningitis, | 1 |
| Diarrhœa, | 0 |
| Dysentery, | 1 |
| Diphtheria, | 7 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 1 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 1 |
| Remittent Fever, | 0 |
| Rheumatism, | 0 |
| Scarlet Fever, | 1 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 0 |

| | |
|------------------------------------|-----|
| Typhoid Fever, | 3 |
| Whooping Cough, | 0 |
| <hr/> | |
| Zymotic diseases, | 33 |
| Cancer, | 5 |
| Consumption, | 27 |
| Peritonitis, | 3 |
| Bright's Disease, | 3 |
| Bronchitis, | 1 |
| Heart Disease, | 7 |
| Pneumonia, | 10 |
| Accidents, | 5 |
| Accidents on Railroads, | 2 |
| Disease of the Brain, | 6 |
| Disease of the Bowels, | 4 |
| Old Age, | 5 |
| Child Birth, | 1 |
| Influenza, | 1 |
| Congestion of the Lungs, | 1 |
| Not stated, | 8 |
| All other diseases, | 28 |
| <hr/> | |
| Total, | 150 |
| Still Born, | 14 |
| Brought here, | 8 |
| White, | 122 |
| Colored, | 28 |
| Males, | 67 |
| Females, | 83 |
| Born in United States, | 144 |
| Foreign Born, | 6 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year, | 16 |
| From 1 to 5 years, | 23 |
| From 5 to 10 years, | 9 |
| From 10 to 20 years, | 12 |
| From 20 to 40 years, | 20 |

| | |
|--|----|
| From 40 to 60 years, | 17 |
| From 60 to 70 years, | 18 |
| From 70 to 80 years, | 18 |
| From 80 to 90 years, | 7 |
| From 90 to 100 years, | 2 |
| Over 100 (the age is 102 years), | 1 |

BIRTHS.

| | |
|--------------------|-----|
| White, | 237 |
| Colored, | 17 |
| Total, | 254 |
| Males, | 141 |
| Females, | 113 |
| Total, | 254 |

MARRIAGES.

| | |
|--------------------|----|
| White, | 82 |
| Colored, | 14 |
| Total, | 96 |

Deaths for the quarter ending July 1st, 1890.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 13 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 7 |
| Cerebro Spinal Meningitis, | 0 |
| Diarrhœa, | 1 |
| Dysentery, | 0 |
| Diphtheria, | 5 |
| Erysipelas, | 1 |

| | |
|-----------------------------------|-----|
| Intermittent Fever, | 1 |
| Measles, | 3 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 1 |
| Remittent Fever, | 0 |
| Rheumatism, | 0 |
| Scarlet Fever, | 2 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 5 |
| Whooping Cough, | 2 |
| Typhus Fever, | 1 |
| <hr/> | |
| Zymotic diseases, | 42 |
| | |
| Cancer, | 4 |
| Consumption, | 24 |
| Meningitis, | 2 |
| Peritonitis, | 2 |
| Bright's Disease, | 1 |
| Bronchitis, | 0 |
| Heart Disease, | 11 |
| Pneumonia, | 23 |
| Accidents, | 3 |
| Accidents on Railroads, | 1 |
| Disease of the Brain, | 2 |
| Disease of the Bowels, | 7 |
| Child Birth, | 2 |
| Influenza, | 3 |
| Old Age, | 6 |
| Congestion of Lungs, | 1 |
| Bilious Colic, | 1 |
| Suicide, | 1 |
| Malaria, | 1 |
| Not stated, | 7 |
| All other diseases, | 53 |
| <hr/> | |
| Total, | 197 |
| 18 | |

| | |
|---------------------------------------|-----|
| Still Born, | 3 |
| Brought here for interment, | 3 |
| White, | 123 |
| Colored, | 74 |
| Males, | 111 |
| Females, | 86 |
| Born in the United States, | 197 |
| Foreign Born, | 0 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|----|
| Under 1 year, | 28 |
| From 1 to 5 years, | 22 |
| From 5 to 10 years, | 13 |
| From 10 to 20 years, | 11 |
| From 20 to 40 years, | 33 |
| From 40 to 60 years, | 24 |
| From 60 to 70 years, | 18 |
| From 70 to 80 years, | 26 |
| From 80 to 90 years, | 14 |
| From 90 to 100 years, | 4 |
| 108 years old, | 1 |
| Not stated, | 3 |

BIRTHS.

| | |
|-------------------------|----|
| Males, | 34 |
| Females, | 38 |
| Total, | 72 |
| White, | 65 |
| Colored, | 7 |
| Total Births, | 72 |

MARRIAGES.

| | |
|----------------------------|----|
| White, | 28 |
| Colored, | 10 |
| Total Marriages, | 38 |

RECAPITULATION

*Of Marriages, Births and Deaths in Kent County for the year
ending July 1st, 1890.*

| | First quarter. | Second and Third quarters. | Fourth quarter. | Total. |
|--------------------------------------|-------------------|-------------------------------|--------------------|--------|
| Alcoholism, | 0 | 0 | 0 | 0 |
| Croup, | 4 | 15 | 13 | 32 |
| Carbuncle, | 0 | 0 | 0 | 0 |
| Cholera morbus, | 0 | 0 | 0 | 0 |
| Cholera infantum, | 27 | 3 | 7 | 37 |
| Cerebro spinal meningitis, | 1 | 1 | 0 | 2 |
| Diarrhœa, | 0 | 0 | 1 | 1 |
| Dysentery, | 8 | 1 | 0 | 9 |
| Diphtheria, | 0 | 7 | 5 | 12 |
| Erysipelas, | 0 | 0 | 1 | 1 |
| Intermittent fever, | 0 | 0 | 1 | 1 |
| Measles, | 0 | 1 | 3 | 4 |
| Purpura, | 0 | 0 | 0 | 0 |
| Puerperal fever, | 2 | 0 | 0 | 2 |
| Pyæmia, | 2 | 1 | 1 | 4 |
| Remittent fever, | 1 | 0 | 0 | 1 |
| Rheumatism, | 1 | 0 | 0 | 1 |
| Scarlet fever, | 0 | 1 | 2 | 3 |
| Small-pox, | 0 | 0 | 0 | 0 |
| Syphilis (congenital), | 0 | 0 | 0 | 0 |
| Syphilis, | 0 | 0 | 0 | 0 |
| Septicæmia, | 0 | 0 | 0 | 0 |
| Tonsilitis, | 0 | 0 | 0 | 0 |
| Typhoid fever, | 6 | 3 | 5 | 14 |
| Whooping-cough, | 2 | 0 | 2 | 4 |
| Typhus fever, | 0 | 0 | 1 | 1 |
| <hr/> | | | | |
| Zymotic diseases, | 54 | 33 | 42 | 129 |
| Cancer, | 2 | 5 | 4 | 11 |
| Consumption, | 32 | 27 | 24 | 83 |
| Peritonitis, | 0 | 3 | 2 | 5 |
| Meningitis, | 1 | 0 | 2 | 3 |
| Bright's disease, | 3 | 3 | 1 | 7 |

| | First quarter. | Second and Third quarters. | Fourth quarter. | Total. |
|------------------------------------|-------------------|-------------------------------|--------------------|--------|
| Bronchitis, | 1 | 1 | 0 | 2 |
| Heart disease, | 8 | 7 | 11 | 26 |
| Pneumonia, | 7 | 10 | 23 | 40 |
| Accidents, | 0 | 5 | 3 | 8 |
| Accidents on railroads, | 0 | 2 | 1 | 3 |
| Disease of the brain, | 3 | 6 | 2 | 11 |
| Disease of the bowels, | 9 | 4 | 7 | 20 |
| Child-birth, | 1 | 1 | 2 | 4 |
| Tetanus, | 1 | 0 | 0 | 1 |
| Old age, | 2 | 5 | 6 | 13 |
| Drowned, | 1 | 0 | 0 | 1 |
| Suicide, | 1 | 0 | 1 | 2 |
| All other diseases, | 42 | 28 | 0 | 70 |
| Total, | 168 | | | |
| Influenza, | | 1 | 3 | 4 |
| Congestion of the lungs, | | 1 | 1 | 2 |
| Not stated, | | 8 | 7 | 15 |
| Total, | | 150 | | |
| Bilious colic, | | | 1 | 1 |
| Malaria, | | | 1 | 1 |
| All other diseases, | | | 53 | 53 |
| Total, | | | 197 | 515 |

SEX, COLOR AND NATIVITY OF THE DECEDENTS

In Kent County, for the year ending July 1st, 1890.

| | Males. | Females. | White. | Colored. | Native. | Foreign. |
|---|--------|----------|--------|----------|---------|----------|
| 1st quarter, | 81 | 86 | 121 | 46 | 164 | 3 |
| 2d and 3d quarters, | 67 | 83 | 122 | 28 | 144 | 6 |
| 4th quarter, | 111 | 86 | 123 | 74 | 197 | 0 |
| | 259 | 255 | 366 | 148 | 505 | 9 |
| Still-born, | | | | | | 18 |
| Brought into the State for interment, | | | | | | 11 |

AGES OF DECEDENTS.

| | |
|-----------------------------------|----|
| Under one year of age, | 87 |
| From one to five years, | 57 |

| | |
|---|----|
| From five to ten years, | 28 |
| From ten to twenty years, | 33 |
| From twenty to forty years, | 91 |
| From forty to sixty years, | 60 |
| From sixty to seventy years, | 60 |
| From seventy to eighty years, | 60 |
| From eighty to ninety years, | 25 |
| From ninety to one hundred years, | 7 |
| Over one hundred years, | 2 |
| Ages not stated, | 8 |

BIRTHS.

| | White. | Colored. | Males. | Females. | Total. |
|-------------------------------|-----------|----------|-----------|-----------|-----------|
| 1st quarter, | 53 | 12 | 37 | 28 | 65 |
| 2d and 3d quarters, | 237 | 17 | 141 | 113 | 254 |
| 4th quarter, | 65 | 7 | 34 | 38 | 72 |
| | <hr/> 355 | <hr/> 26 | <hr/> 212 | <hr/> 179 | <hr/> 391 |

MARRIAGES.

| | White. | Colored. | Total. |
|-------------------------------|-----------|----------|-----------|
| 1st quarter, | 28 | 14 | 42 |
| 2d and 3d quarters, | 82 | 14 | 96 |
| 4th quarter, | 28 | 10 | 38 |
| | <hr/> 138 | <hr/> 38 | <hr/> 176 |

SUSSEX COUNTY.

Deaths for the quarter ending October 1st, 1889.

| CAUSES. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 1 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 11 |
| Cerebro Spinal Meningitis, | 0 |
| Diarrhœa, | 1 |
| Dysentery, | 7 |

| | |
|-----------------------------------|-----|
| Diphtheria, | 7 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 0 |
| Remittent Fever, | 0 |
| Rheumatism, | 0 |
| Scarlet Fever, | 0 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 6 |
| Whooping Cough, | 0 |
| <hr/> | |
| Zymotic diseases, | 33 |
| Cancer, | 3 |
| Consumption, | 11 |
| Meningitis, | 3 |
| Bright's Disease, | 0 |
| Bronchitis, | 1 |
| Heart Disease, | 1 |
| Pneumonia, | 2 |
| Accidents, | 3 |
| Accidents on Railroads, | 0 |
| Disease of the Brain, | 9 |
| Disease of the Bowels, | 6 |
| Suicide, | 1 |
| Pleurisy, | 2 |
| Old Age, | 3 |
| Drowned, | 1 |
| Premature Birth, | 4 |
| All other diseases, | 44 |
| <hr/> | |
| Total, | 127 |
| White, | 110 |
| Colored, | 17 |

| | |
|--------------------------------------|-----|
| Males, | 58 |
| Females, | 69 |
| Born in the United States, | 124 |
| Foreign Born, | 3 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year, | 38 |
| From 1 to 5 years, | 16 |
| From 5 to 10 years, | 6 |
| From 10 to 20 years, | 8 |
| From 20 to 40 years, | 19 |
| From 40 to 60 years, | 7 |
| From 60 to 70 years, | 9 |
| From 70 to 80 years, | 12 |
| From 80 to 90 years, | 9 |
| Age not stated, | 3 |

BIRTHS.

| | |
|-------------------------|-----|
| White, | 137 |
| Colored, | 39 |
| Total, | 176 |
| Males, | 79 |
| Females, | 97 |
| Total Births, | 176 |

MARRIAGES.

| | |
|----------------------------|----|
| White, | 35 |
| Colored, | 2 |
| Total Marriages, | 37 |

Deaths for the quarter ending December 31st, 1889.

| CAUSE. | NO. |
|---------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 7 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |

| | |
|--------------------------------------|-----|
| Cholera Infantum, | 5 |
| Cerebro Spinal Meningitis, | 1 |
| Diarrhœa, | 1 |
| Dysentery, | 5 |
| Diphtheria, | 13 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 0 |
| Remittent Fever, | 0 |
| Rheumatism, | 1 |
| Scarlet Fever, | 0 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 8 |
| Whooping Cough, | 0 |
| <hr/> | |
| Zymotic diseases, | 41 |
| | |
| Cancer, | 0 |
| Consumption, | 26 |
| Meningitis, | 1 |
| Bright's Disease, | 0 |
| Bronchitis, | 1 |
| Heart Disease, | 8 |
| Pneumonia, | 5 |
| Accidents, | 3 |
| Accidents on Railroads, | 0 |
| Disease of the Brain, | 8 |
| Disease of the Bowels, | 4 |
| Child Birth, | 2 |
| Old Age, | 4 |
| Peritonitis, | 1 |
| Throat Trouble, | 10 |
| All other diseases, | 51 |
| <hr/> | |
| Total, | 165 |

| | |
|--------------------------------------|-----|
| White, | 141 |
| Colored, | 24 |
| Males, | 86 |
| Females, | 79 |
| Born in the United States, | 165 |
| Foreign Born, | 0 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|----|
| Under 1 year, | 31 |
| From 1 to 5 years, | 19 |
| From 5 to 10 years, | 11 |
| From 10 to 20 years, | 21 |
| From 20 to 40 years, | 19 |
| From 40 to 60 years, | 6 |
| From 60 to 70 years, | 13 |
| From 70 to 80 years, | 16 |
| From 80 to 90 years, | 11 |
| From 90 to 100 years, | 1 |
| Ages not stated, | 17 |

BIRTHS.

| | |
|-------------------------|----|
| White, | 87 |
| Colored, | 9 |
| Total, | 96 |
| Males, | 44 |
| Females, | 52 |
| Total Births, | 96 |

MARRIAGES.

| | |
|--------------------|----|
| White, | 93 |
| Colored, | 1 |
| Total, | 94 |

Deaths for the quarter ending March 31st, 1890.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 0 |
| Croup, | 6 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 2 |
| Cerebro Spinal Meningitis, | 0 |
| Diarrhœa, | 0 |
| Dysentery, | 1 |
| Diphtheria, | 12 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 1 |
| Remittent Fever, | 0 |
| Rheumatism, | 2 |
| Scarlet Fever, | 0 |
| Small Pox, | 0 |
| Syphilis (Congenital), | 0 |
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 0 |
| Typhoid Fever, | 4 |
| Whooping Cough, | 0 |
| <hr/> | |
| Zymotic diseases, | 28 |
| Cancer, | 0 |
| Consumption, | 44 |
| Meningitis, | 3 |
| Bright's Disease | 1 |
| Bronchitis, | 0 |
| Heart Disease, | 5 |
| Pneumonia, | 16 |
| Accidents, | 3 |
| Accidents on Railroads, | 0 |
| Disease of the Brain, | 3 |
| Disease of the Bowels, | 4 |
| Influenza, | 8 |

| | |
|--------------------------------|----|
| Old Age, | 7 |
| Drowned, | 1 |
| Diseases not stated, | 36 |
| All other diseases, | 33 |

| | |
|--------------------------------------|-----|
| Total, | 192 |
| White, | 120 |
| Colored, | 72 |
| Males, | 98 |
| Females, | 94 |
| Born in the United States, | 192 |
| Foreign born, | 0 |

AGES OF THE DECEDENTS.

| | |
|---------------------------------|----|
| Under 1 year, | 20 |
| From 1 to 5 years, | 12 |
| From 5 to 10 years, | 7 |
| From 10 to 20 years, | 25 |
| From 20 to 40 years, | 29 |
| From 40 to 60 years, | 26 |
| From 60 to 70 years, | 28 |
| From 70 to 80 years, | 11 |
| From 80 to 90 years, | 8 |
| From 90 to 100 years, | 1 |
| Age not stated, | 25 |

BIRTHS.

| | |
|-------------------------|----|
| White, | 91 |
| Colored, | 5 |
| Total, | 96 |
| Males, | 51 |
| Females, | 45 |
| Total Births, | 96 |

MARRIAGES.

| | |
|----------------------------|-----|
| White, | 96 |
| Colored, | 6 |
| Total Marriages, | 102 |

Deaths for the quarter ending June 30th, 1890.

| CAUSE. | NO. |
|--------------------------------------|-----|
| Alcoholism, | 1 |
| Croup, | 1 |
| Carbuncle, | 0 |
| Cholera Morbus, | 0 |
| Cholera Infantum, | 7 |
| Cerebro Spinal Meningitis, | 0 |
| Diarrhœa, | 1 |
| Dysentery, | 0 |
| Diphtheria, | 0 |
| Erysipelas, | 0 |
| Intermittent Fever, | 0 |
| Measles, | 0 |
| Purpura, | 0 |
| Puerperal Fever, | 0 |
| Pyæmia, | 0 |
| Remittent Fever, | 0 |
| Rheumatism, | 0 |
| Scarlet Fever, | 0 |
| Small Pox, | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis, | 0 |
| Septicæmia, | 0 |
| Tonsilitis, | 1 |
| Typhoid Fever, | 0 |
| Whooping Cough, | 0 |
| <hr/> | |
| Zymotic diseases, | 11 |
| Cancer, | 2 |
| Consumption, | 12 |
| Bright's Disease, | 3 |
| Bronchitis, | 0 |
| Heart Disease, | 5 |
| Pneumonia, | 2 |
| Accidents, | 5 |
| Accidents on Railroads, | 0 |
| Disease of the Brain, | 3 |
| Disease of the Bowels, | 1 |
| Old Age, | 1 |

| | |
|--------------------------------------|----|
| Influenza, | 1 |
| All other diseases, | 10 |
| Total, | 56 |
| Still Born, | 2 |
| White, | 46 |
| Colored, | 10 |
| Males, | 30 |
| Females, | 26 |
| Born in the United States, | 55 |
| Foreign Born, | 1 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year, | 8 |
| From 1 to 5 years, | 5 |
| From 5 to 10 years, | 0 |
| From 10 to 20 years, | 4 |
| From 20 to 40 years, | 12 |
| From 40 to 60 years, | 9 |
| From 60 to 70 years, | 6 |
| From 70 to 80 years, | 9 |
| From 80 to 90 years, | 1 |

BIRTHS.

| | |
|--------------------|----|
| White, | 41 |
| Colored, | 2 |
| Total, | 43 |
| Males, | 30 |
| Females, | 13 |
| Total, | 43 |

MARRIAGES.

| | |
|--------------------|----|
| White, | 24 |
| Colored, | 3 |
| Total, | 27 |

RECAPITULATION

*Of Marriages, Births and Deaths in Sussex County for the
year ending July 1st, 1890.*

| | First quarter. | Second quarter. | Third quarter. | Fourth quarter. | Total. |
|--------------------------------|-------------------|--------------------|-------------------|--------------------|--------|
| Alcoholism, | 0 | 0 | 0 | 1 | 1 |
| Croup, | 1 | 7 | 6 | 1 | 15 |
| Carbuncle, | 0 | 0 | 0 | 0 | 0 |
| Cholera morbus, | 0 | 0 | 0 | 0 | 0 |
| Cholera infantum, | 11 | 5 | 2 | 7 | 25 |
| Cerebro spinal meningitis, . | 0 | 1 | 0 | 0 | 1 |
| Diarrhœa, | 1 | 1 | 0 | 1 | 3 |
| Dysentery, | 7 | 5 | 1 | 0 | 13 |
| Diphtheria, | 7 | 13 | 12 | 0 | 32 |
| Erysipelas, | 0 | 0 | 0 | 0 | 0 |
| Intermittent fever, | 0 | 0 | 0 | 0 | 0 |
| Measles, | 0 | 0 | 0 | 0 | 0 |
| Purpura, | 0 | 0 | 0 | 0 | 0 |
| Puerperal fever, | 0 | 0 | 0 | 0 | 0 |
| Pyæmia, | 0 | 0 | 1 | 0 | 1 |
| Remittent fever, | 0 | 0 | 0 | 0 | 0 |
| Rheumatism, | 0 | 1 | 2 | 0 | 3 |
| Scarlet fever, | 0 | 0 | 0 | 0 | 0 |
| Small-pox, | 0 | 0 | 0 | 0 | 0 |
| Syphilis (congenital), | 0 | 0 | 0 | 0 | 0 |
| Syphilis, | 0 | 0 | 0 | 0 | 0 |
| Septicæmia, | 0 | 0 | 0 | 0 | 0 |
| Tonsilitis, | 0 | 0 | 0 | 1 | 1 |
| Typhoid fever, | 6 | 8 | 4 | 0 | 18 |
| Whooping-cough, | 0 | 0 | 0 | 0 | 0 |
| <hr/> | | | | | |
| Zymotics, | 33 | 41 | 28 | 11 | 113 |
| Cancer, | 3 | 0 | 0 | 2 | 5 |
| Consumption, | 11 | 26 | 44 | 12 | 93 |
| Meningitis, | 3 | 1 | 3 | 0 | 7 |
| Bright's disease, | 0 | 0 | 1 | 3 | 4 |
| Bronchitis, | 1 | 1 | 0 | 0 | 2 |
| Heart disease, | 1 | 8 | 5 | 5 | 19 |
| Pneumonia, | 2 | 5 | 16 | 2 | 25 |

| | First quarter. | Second quarter. | Third quarter. | Fourth quarter. | Total. |
|--------------------------------|-------------------|--------------------|-------------------|--------------------|--------|
| Accidents, | 3 | 3 | 3 | 5 | 14 |
| Accidents on railroads, . . . | 0 | 0 | 0 | 0 | 0 |
| Disease of the brain, . . . | 9 | 8 | 3 | 3 | 23 |
| Disease of the bowels, . . . | 6 | 4 | 4 | 1 | 15 |
| Suicide, | 1 | 0 | 0 | 0 | 1 |
| Pleurisy, | 2 | 0 | 0 | 0 | 2 |
| Old age, | 3 | 4 | 7 | 1 | 15 |
| Drowned, | 1 | 0 | 1 | 0 | 2 |
| Premature birth, | 4 | 0 | 0 | 0 | 4 |
| All other diseases, | 44 | 51 | 33 | 10 | 138 |
| Total, | 127 | | | | |
| Child-birth, | | 2 | 0 | 0 | 2 |
| Peritonitis, | | 1 | 0 | 0 | 1 |
| Throat trouble, | | 10 | 0 | 0 | 10 |
| Total, | | 165 | | | |
| Influenza, | | | 8 | 1 | 9 |
| Diseases not stated, | | | 36 | 0 | 36 |
| Total, | | | 192 | 56 | 549 |

SEX, COLOR AND NATIVITY OF THE DECEDENTS,

In Sussex County, for the year ending July 1st, 1890.

| | White. | Colored. | Males. | Females. | Native. | Foreign. |
|------------------------|--------|----------|--------|----------|---------|----------|
| 1st quarter, | 110 | 17 | 58 | 69 | 124 | 3 |
| 2d quarter, | 141 | 24 | 86 | 79 | 165 | 0 |
| 3d quarter, | 120 | 72 | 98 | 94 | 192 | 0 |
| 4th quarter, | 46 | 10 | 30 | 26 | 55 | 1 |
| | 417 | 123 | 272 | 268 | 536 | 4 |
| Still-born, | | | | | | 2 |

AGES OF DECEDENTS.

| | |
|-------------------------------------|----|
| Under one year, | 97 |
| From one to five years, | 52 |
| From five to ten years, | 24 |
| From ten to twenty years, | 59 |

| | |
|---|----|
| From twenty to forty years, | 79 |
| From forty to sixty years, | 48 |
| From sixty to seventy years, | 56 |
| From seventy to eighty years, | 48 |
| From eighty to ninety years, | 29 |
| From ninety to one hundred years, | 2 |
| Age not stated, | 45 |

BIRTHS.

| | White. | Colored. | Males. | Females. | Totals. |
|------------------------|--------|----------|--------|----------|---------|
| 1st quarter, | 137 | 39 | 79 | 97 | 176 |
| 2d quarter, | 87 | 9 | 44 | 52 | 96 |
| 3d quarter, | 91 | 5 | 51 | 45 | 96 |
| 4th quarter, | 41 | 2 | 30 | 13 | 43 |
| | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
| | 356 | 55 | 294 | 207 | 411 |

MARRIAGES.

| | White. | Colored. | Totals. |
|------------------------|--------|----------|---------|
| 1st quarter, | 35 | 2 | 37 |
| 2d quarter, | 93 | 1 | 94 |
| 3d quarter, | 96 | 6 | 102 |
| 4th quarter, | 24 | 3 | 27 |
| | <hr/> | <hr/> | <hr/> |
| | 248 | 12 | 260 |

RECAPITULATION

Of Deaths, Marriages and Births in the State of Delaware during the year ending June 30th, 1890.

DEATHS.

| | White. | Colored. | Total. |
|------------------------------|--------|----------|--------|
| New Castle County, | 1419 | 394 | 1813 |
| Kent County, | 366 | 148 | 514 |
| Sussex County, | 417 | 123 | 540 |
| Total, | 2202 | 665 | 2867 |

Death rate in the 1000 inhabitants, 17.08.

Zymotics.

New Castle County, 341; Kent, 129; Sussex, 113; total, 583.

Percentage of deaths from zymotics to the whole number of deaths is 20.33 per cent.

As compared with the year ending June 30th, 1888: Deaths, White, 1796; Colored, 493; total, 2289.

MARRIAGES.

| | White. | Colored. | Total. |
|-------------------------------|--------|----------|--------|
| New Castle County, | 490 | 90 | 580 |
| Kent County, | 138 | 38 | 176 |
| Sussex County, | 248 | 12 | 260 |
| Total, | 876 | 140 | 1016 |
| Compared with 1888, | 783 | 145 | 928 |

BIRTHS.

| | White. | Colored. | Total. |
|-------------------------------|--------|----------|--------|
| New Castle County, | 1762 | 138 | 1800 |
| Kent County, | 355 | 26 | 381 |
| Sussex County, | 356 | 55 | 411 |
| Total, | 2473 | 219 | 2592 |
| Compared with 1888, | 2064 | 163 | 2227 |

Total deaths in the State for the year ending June 30, 1890, 2867

Total marriages in the State for the year ending June 30, 1890, 1016

Total births in the State for the year ending June 30, 1890, 2602

Deaths over births, 265.



Seventh Biennial Report

OF THE

BOARD OF HEALTH

OF THE

STATE OF DELAWARE.

1890--1892.

1894:

THE INDEX JOB PRINT,
DOVER, DEL.

Seventh Biennial Report

OF THE

BOARD OF HEALTH

OF THE

State of Delaware.

1890--1892.

1893 :

THE INDEX JOB PRINT,

DOVER, DEL.

MEMBERS OF THE STATE BOARD OF HEALTH.

DR. E. W. COOPER, PRESIDENT,
Camden, Delaware.

DR. ALEX. W. LOWBER,
Wilmington, Delaware.

DR. WILLIAM T. SKINNER,
Glasgow, Delaware.

DR. I. S. VALLANDIGHAM,
Middletown, Delaware.

DR. B. L. LEWIS,
Harrington, Delaware.

DR. DAVID L. MUSTARD,
Lewes, Delaware.

DR. ROBERT G. ELLEGOOD,
Concord, Delaware.

E. B. FRAZER, SECRETARY,
Wilmington, Delaware.

SEVENTH BIENNIAL REPORT
OF THE
BOARD OF HEALTH,
OF THE
STATE OF DELAWARE.

WILMINGTON, DEL., Dec , 6th. 1892.

To His Excellency ROBERT J. REYNOLDS,

Governor of the State of Delaware.

SIR:—I have the honor to present to you, in compliance with the laws of the State, the Seventh Biennial Report of the State Board of Health, for the fiscal years from June 30th, 1890 to June 30th, 1892.

Very respectfully,

EDMUND B. FRAZER,

Secretary State Board of Health.

REPORT TO THE LEGISLATURE.

*To the Honorable Senate and House of Representatives
of the State of Delaware:*

Pursuant to the provisions of the act of its incorporation, the State Board of Health respectfully submit the following Seventh Biennial Report, embracing the two years ending ending June 30th, 1892 :

That Boards of Health are necessary factors in the prevention of the spread of disease and death is no longer a theory—it is a fact fully established by the experience of many years of earnest work, ending in a success almost marvelous. These results are more fully shown in large centres of population, where legislative bodies and the people generally give them a more cordial support. The indifference, the want of sympathy, to say nothing of the actual opposition against which they have to contend, is as discouraging to our profession, as it is disgraceful to our age of science.

The victims of disease will more or less cooperate in the work of being healed, but those who are in daily danger of becoming such victims will do little or nothing to assist those who are without any remuneration, fighting to keep disease and death from their homes.

The comparatively recent discoveries has greatly extended the list of preventable diseases, and have pointed more definitely and certainly to the means of such prevention. There never has been a time since the incorporation of this Board when so much could and certainly should be done to protect our citizens against the inroads of dire death-dealing epidemics as now.

Let us now glance briefly at the results as borne out by statistics, taking those following the great discovery of Dr. Jenner in the last decade of the 18th century.

Natural small pox during the three last decades of that century, had by a process of inoculation been reduced in its death rate from 108 to 88 in the 1000 deaths, when Dr. Jenner's system of vaccination came into more or less general use, and the death rate of the next seven (7) decades (from 1800 to 1870 inclusive) declined as follows for each of these periods respectively, 64-42-32-23-16-11-11 for every 1000 deaths, these are the reports from over crowded England. Now for this country, the statistics show that the death rate of the vaccinated is .009 (.9-100) for the 1000 deaths, while that of the unvaccinated is 44 per 1000 deaths occurring in children under 10 years of age, and in those twice vaccinated of all ages (adults as well as children) is .008 (.8-100) per 1000 deaths against 1 in the 1000 deaths of those only once vaccinated, this so far as the advantage of vaccination is concerned, we deem fully sufficient. Now what is our condition ?

By direction of the Board of Health, the Secretary notified the clerks of all the school districts in the State, except Wilmington which is provided for by local law, to enforce as far as possible, the law in reference to pupils attending the schools without being or having been vaccinated : and also a card requesting the teachers of the several schools to examine the scholars and report : 1st, the number of pupils attending school : 2d, the number vaccinated : 3d, the number not showing any marks of successful vaccination : 4th, giving the name and postoffice address of the teacher. Notwithstanding that postal cards printed in blank were furnished them for the purpose, a large majority of the clerks paid no attention to the request and many of the teachers, about one-fourth, never replied. From the reports received from the teachers who did reply, only one-half (½) of the pupils attending the schools in New Castle county, a little over a third (⅓) in Kent and one

sixth (1-6) in Sussex county have been vaccinated. The law at present, while it is compulsory in the requirement of vaccination, unless "already protected from small pox by vaccination or an attack of small pox," is simply advisory or permissive in providing means for those persons who are unable to pay for the same, which utterly prevents the execution of the command of the law. We ask your attention to this matter and the making of a proper provision for the payment of a moderate fee for the service rendered, in securing complete protection to our community against the spread of this terrible pestilence.

There is great need also of legislation as to our food supplies to secure by thorough inspection, a good, sound quality of the various articles used. Especially is this demanded in reference to the sale of milk in the city of Wilmington and other large towns. This is a staple article, and if adulterated or not properly cared for speedily, becomes unfit for use, and often very actively productive of disease and death, particularly among infants and children who necessarily depend so much upon it for sustenance. E. B. Frazer, Esq., the secretary under instruction of the Board, inspected seventy-two (72) dairy farms, and found everything in very fair condition except the pounds in which the cows were kept. These badly needed draining or an absorption of the water lying therein, perhaps to soak off into the ground and poison some well used by the family for drinking and culinary purposes.

Our public buildings have been found in good, comfortable sanitary conditions, both as to the buildings and the surroundings, but for these as well as our school houses we need a more thorough and regular inspection. These latter in many districts are scarcely fit for school purposes; their location is often unfortunate and they are damp, poorly lighted and have no means of proper ventilation. There is no state in the Union that deals more liberally and provides more fully for a good public school education than ours. Let us keep pace with our

sister states in providing means by thorough ventilation, light, furniture, &c., for their physical culture.

The diseases emanating from the miasmatic poisons of our low swampy lands and the decomposition of large growths of weeds found thereon are on the decline by reason of more thorough drainage and the extended cultivation of these formerly waste places. We congratulate you that by the action of our countrymen in the recent general election, instead of a curtailment of the acreage of cultivation, as advised by Secretary Rusk of the Agricultural Department as a means of preventing an overproduction of grain &c., for our home market, our farmers are to have an extension of an available foreign market for their produce, thus not only increasing the value of produce and land, but also making glad the waste places by making them yield a profit to our farmers instead of forming hot-beds for the generation of miasmatic poisons.

But the most immediate demand is in a preparation for the coming of Asiatic cholera which, though averted for the time, by the prompt and thorough efforts of the health officers of New York, especially acting under the authority of wise laws, backed by liberal appropriations, will certainly attack us during the coming year. Our associated States are making the utmost effort for self protection and to make their work a success and to save ourselves we must unite with them. Inspectors should be appointed for every town in our State, with full power to compel the prompt removal of all waste matter, as far as possible to prevent the contamination of our drinking water by putrescent or fecal matter and to put our general surroundings in a clean sanitary condition, and also in case the disease secures a foothold to assist in establishing a thorough quarantine to prevent a spread of the pestilence.

Measures looking to the accomplishment of these objects will be submitted to you during your session and we earnestly ask your careful consideration of them.

There has been established a National Conference of State Boards of Health, in which for want of funds we

have as yet not been represented. That we might gain the advantage somewhat of their deliberations we have paid our annual assessment of ten dollars.

Our present appropriation is too small to enable us to do much that we would do in the dissemination among our citizens, information on hygienic and sanitary subjects of immediate practical value to them. It should be increased to \$1500 per year, and some law passed giving the Board power to draw on the Treasurer of the State to a limited amount for cases of emergency, as would be absolutely required if the cholera gets within our borders.

We herewith transmit the report of our work in detail, done through our active and earnest executive officer, E. B. Frazer, Esq., who, as you will see, has had neither an easy nor very pleasant task to perform. His work has been to look out the nooks and corners, where filth is found not subject to the public gaze, and the universal range and success of his efforts are shown in his report and the accompanying papers.

Respectfully submitted,

E. W. COOPER, M. D., PRES.

DAVID L. MUSTARD, M. D.

IRVING S. VALLANDIGHAM, M. D.

EDMUND B. FRAZER, SEC.

MEETINGS OF THE BOARD.

WILMINGTON, Del., November 25th, 1890.

A regular meeting of the board was held at the Central Hotel.

Members present—Dr. L. P. Bush, president ; Dr. Wm. T. Skinner, Dr. Albert Whiteley, Dr. Robert G. Ellegood.

The president called the Board to order at 12:45 o'clock P. M.

Dr. D. L. Mustard and Dr. E. W. Cooper, the committee on drive wells were not present. The secretary was requested to ask the committee to make a report.

The president appointed Dr. Wm. T. Skinner to prepare a paper and a report on the erection, construction and ventilation of school houses.

The secretary read his report on the inspection of towns, jails, almshouses and other public buildings throughout the State. The report was accepted and ordered to be published in the next Biennial Report.

The secretary presented the Sixth Biennial Report of the board. It was referred to the president for his examination, and when approved by him it was ordered that the secretary forward it to the Governor, Hon. Benj. T. Biggs.

The secretary reported that in accordance with the resolution adopted at the last meeting held May 27th, 1890, the Recorders of Deeds in Kent and Sussex Counties had complied with the law.

The registration book for Sussex County was ordered by your secretary. The recorder of Kent County said he would furnish the registration book.

The secretary read the following letter:

WASHINGTON, D. C., October 27th, 1890.

DEAR SIR: I am requested by the honorable secretaries of the Committee of Organization of the Seventh International Congress of Hygiene and Demography to call attention to the fact that this Congress will be held in London during the week beginning August 10th, 1891.

The governments of all countries and municipalities and all public health authorities, universities, colleges and societies occupied in the study of the sciences more or less immediately connected with Hygiene are invited to co-operate and appoint delegates to represent them at the Congress. The Prince of Wales will preside.

A Committee of Organization has been formed of which Sir Douglas Galton is chairman and Prof. W. H. Corfield and Mr. Shirley T. Murphy are honorable secretaries. An exhibition of articles of hygienic interest will be held in connection with the Congress. The last of these Congresses was held in Vienna in 1887 and was attended by over 2000 persons, and it is expected that the London meeting will be one of great magnitude and importance.

Very respectfully,

JOHN S. BILLINGS, M. D.

Member of the International Permanent Committee.

Dr. Ellegood moved to lay the letter on the table. After discussing the matter and other business which would demand the attention of the board during the next session of the Legislature, the same gentleman moved that when we adjourn it be to meet here on Tuesday, December 16th, at 11 o'clock, A. M.

On motion the secretary was allowed \$250 for his services during the past six months. Orders were directed to be drawn to pay the expenses of this meeting, which will appear in the expense account.

The secretary reported that the auditor, James H. Boyce, had examined and approved his account as follows:

| | |
|---|-----------|
| Amount due the board November 25, 1890..... | \$ 349 22 |
| Deduct the expenses of this meeting..... | 306 21 |

| | |
|---------------------------|-------|
| Amount due the board..... | 43 01 |
|---------------------------|-------|

Adjourned.

E. B. FRAZER, Secretary.

WILMINGTON, Del., December 16th, 1890.

An adjourned meeting of the Board of Health of the State of Delaware was held on the above date at the Central Hotel.

Members present—Dr. L. P. Bush, president; Dr. Wm. T. Skinner, Dr. E. W. Cooper, Dr. Robert G. Ellegood.

The secretary read the letter from John S. Billings, M. D., dated October 27th, 1890. Subject: The International Congress to be held in London August 10th, 1891. After discussing the matter, on motion of Dr. Ellegood, the letter was referred to a Legislative committee to be appointed by the president, and that the Board endorse the sentiments expressed in said letter. The motion was adopted.

Dr. Cooper moved that the president appoint a Committee on Legislation. The motion was adopted.

The president, Dr. L. P. Bush, named the following gentlemen as a Committee on Legislation: Dr. E. W. Cooper, of Camden; Dr. Robert G. Ellegood, of Concord; Dr. David L. Mustard, of Lewes. On the further motion of Dr. Cooper, Dr. Bush was elected ex-officio a member of said committee.

The secretary read a paper on the needs of the board, suggesting certain amendments to the State board law, giving the board power and authority to enforce sanitary law. Several other papers were read by the secretary.

When on motion of Dr. Cooper that all papers in the hands of the secretary pertaining to the subject under discussion be referred to the Committee on Legislation. After drawing orders to pay the expenses of the meeting the board adjourned.

E. B. FRAZER, Secretary.

WILMINGTON, Del., Feb. 5th, 1891.

By order of the president, Dr. L. P. Bush, a meeting of the Committee on Legislation was held at the Central Hotel at 10 o'clock, A. M.

Members present—Dr. L. P. Bush, Dr. E. W. Cooper, Dr. D. L. Mustard, Dr. R. G. Ellegood.

Dr. L. P. Bush presiding.

Dr. Mustard moved that section 7 of the act creating a State Board of Health be amended as follows:

Strike out all after the words "sum of" in the eleventh line of said section and insert in lieu thereof "one thousand dollars." The motion was adopted.

On motion of Dr. Mustard Section 4 of the Act be amended by adding thereto the following: "Power and authority to enforce the laws of the State of Delaware for the preservation of the public health as provided in chapter 345, volume 16, laws of Delaware passed at Dover, March 18th, 1881." The amendment to be in conformity, or, as suggested in writing by Dr. Mustard and Dr. Ellegood. The motion was adopted.

Dr. Mustard moved that Section 4 of Chapter 500, Vol. 17, part 2 of the Act (see Vol. 16, Chapter 381, Section 8 of the registration of births, marriages and deaths, passed at Dover April 7th, 1881) be amended as follows: Amend Section 8, page 16 in the pamphlet as follows, in the seventh line after the word section, add thereto the following, "and in no case shall the interment be made until such certificate be procured." Amended April 14th, 1885, (see Vol. 17, part two, Chapter 500.) The motion was adopted.

In the matter of the letter from J. S. Billings, M. D., of Washington, D. C. Subject: The appointment of a delegate from this board to attend the International Congress to be held in London, Eng., August 10th, 1891, the secretary reported that he had not received the information referred to in a letter from Dr. Billings dated December 18th, 1890, viz: that he expected to receive some additional documents from London as to the International Congress, and when these arrive I will forward one to you to be laid before the General Assembly of the State of Delaware in accordance with your suggestions.

[SIGNED]

JOHN S. BILLINGS, M. D.

On motion of Dr. Cooper the matter was referred to Dr. L. P. Bush, with power to act when additional information is received from Washington. The motion was adopted.

The secretary read the following letter.

COLUMBUS, O., January 15th, 1891.

To the Secretary of the State Board of Health, Wilmington, Del.:

DEAR SIR: The next Annual Conference of State Boards of Health will be held in Washington, D. C., just prior to the meeting of the American Medical Association in May, 1891, and your board is herewith cordially invited to send delegates.

Will you please send me as soon as possible, one or more questions or propositions relating to the practical work of State boards of health, which you desire to have discussed at the coming meeting. I will ask you also to name two members of the conference whom you wish to open the discussion on each of the propositions you submit. Please formulate your propositions in the exact phraseology you wish to have them appear in the announcement. A programme, with full information as to the exact time and place of meeting will be issued as soon as possible. Trusting you will lend a hearty co-operation in making this meeting a successful one,

I am very respectfully,

[SIGNED]

C. O. PROBST, M. D., Secretary.

After a full discussion of the subject the appointment of a delegate, &c., was referred to Dr. L. P. Bush with power to appoint said delegate.

On motion of Dr. Ellegood the secretary was authorized and directed to employ an attorney to formulate bills as agreed upon and to hand said bills to Thomas B. Smith, a member of the House at Dover, to be presented to the Legislature now in session, and when said bills are referred to the proper committee, the members of the legislative committee will be notified by the secretary to meet in Dover, and appear before the committees having the bills in charge.

On motion orders were directed to be drawn to pay the expenses of this meeting.

E. B. FRAZER, Secretary.

Adjourned.

WILMINGTON, Del., May 26th, 1891.

A stated meeting of the Board of Health of the State of Delaware was held on the above date at the Central Hotel.

Members present—Dr. L. P. Bush, president; Dr. Wm. T. Skinner, Dr. Irving S. Vallandigham, Dr. Albert Whiteley, Dr. E. W. Cooper, Dr. D. L. Mustard, Dr. R. G. Ellegood.

Dr. Bush, the president, was called away before the board was called to order, and on motion Dr. Mustard was called to the chair at 10:30 o'clock, A. M. The minutes of the last meetings were read and approved.

The Committee on Drive Wells made a report by Dr. Mustard. The report was very interesting, and it was accepted and ordered to be filed.

DR. E. W. COOPER, }
DR. D. L. MUSTARD, } Committee.

Dr. Skinner read his report on the subject of heating and ventilating school houses. He asked that the report be recommitted to him for some corrections. The request was granted.

The matter relating to the appointment of a delegate to the London Congress August 10th, 1891, was dismissed.

The Legislative Committee reported that they were not called upon to meet, and were discharged.

The secretary reported that according to directions by the board, he employed Thomas Davis, Esq., attorney-at-law to formulate the bills as agreed upon by the board, and that they were passed by the General Assembly of the State of Delaware, and he herewith presented certified copies of said bills. Whereupon, on motion of Dr. Skinner, the secretary was authorized to have two hundred of each of the amendments printed for the use of the board.

The secretary read a number of letters from members of the General Assembly, the Recorders of Deeds in our State, and from the secretaries of State boards of health, which were ordered to be filed.

The secretary reported that the General Assembly published in pamphlet form the Sixth Biennial Report of the board for the two years ending July 1st, 1890, and that by a resolution introduced and adopted by the General Assembly, the board was allowed two hundred copies of the three hundred pamphlets published and that he received April 16th, 1891, two hundred copies in good order from the publishers, James Kirk & Sons, of Dover, Del., and also that he had mailed a copy thereof to each member of this board, and to all the State boards of health in the United States and Canada, and to all the local boards of health in the State of Delaware. And further, the board is indebted to Thomas B. Smith, Esq., a representative in the Legislature from New Castle County and chairman of the Printing Committee for his prompt action in having the work done.

The secretary read his report of the work done during the past six months which was accepted and ordered to be filed. He also read reports from physicians throughout the State, showing what diseases prevailed and the

sanitary condition of their districts. The reports show a fair state of health.

The secretary read a paper by Dr. David Stewart, Jr., of New Castle. Subject: "Typhoid fever in that town during the latter part of the year 1890." On motion of Dr. Skinner the paper was accepted, and the secretary was directed to extend the thanks of the board to Dr. Stewart for his kindness.

The secretary read the following letter:

COLUMBUS, O., May 20th, 1891.

To the Secretary of the State Board of Health, Wilmington, Del.:

DEAR SIR: At the last meeting of the National Conference of State Boards of Health it was voted to assess each State and provincial board of health \$10 to defray the expenses of the conference. Please remit this amount for your board to the treasurer, Dr. Henry B. Baker, Lansing, Mich., who will send you a receipt for the same.

Very respectfully,

[SIGNED] C. O. PROBST, M. D., Secretary.

On motion of Dr. Cooper the secretary was instructed to forward the amount (\$10), and to request that the reports of the conference be sent to each member of this board. Adopted.

The secretary reported that the State Auditor had examined his accounts November 23d, 1891, and that the unexpended balance due the board to December 31st, 1889, was six hundred and fifty four dollars and nine cents.

On motion of Dr. Mustard the board proceeded to the election of officers for the ensuing year. Dr. L. P. Bush was nominated for president, and Dr. Cooper was authorized to cast the vote, whereupon it was found that Dr. L. P. Bush was unanimously elected president for the ensuing year.

Edmund B. Frazer was also elected secretary for the ensuing year by the same vote.

On motion the board adjourned after drawing orders for the expenses of the meeting and the pay of the secretary.

EDMUND B. FRAZER, Secretary.

WILMINGTON, Del., November 24th, 1891.

A stated meeting of the Board of Health of the State of Delaware was held in Wilmington on Tuesday, November 24th, 1891, at the Central Hotel.

Members present - Dr. L. P. Bush, president; Dr. Wm. T. Skinner, Dr. Irving S. Vallandigham, Dr. E. W. Cooper, Dr. Albert Whiteley, Dr. Robert G. Ellegood, Dr. David L. Mustard.

Dr. Bush, the president, called the meeting to order at 11 o'clock, A. M.

The minutes of the last meeting were read and adopted.

The Committee on Heating and Ventilating School Houses, asked to be continued. The request was granted.

The secretary read his report of a complaint made of a nuisance in Mill Creek hundred, May 30th, 1891. Subject: "Drainage from a farm house into the public road." Party notified, and the nuisance abated.

Inspection of dairy farms in New Castle County by the secretary.

SECRETARY REPORTED AS FOLLOWS :

By direction of the president, Dr. Bush, I commenced to inspect the dairy farms within a radius of five miles around Wilmington, July 20th, 1891. This being done for the purpose of obtaining facts and information to be presented to the next General Assembly, with a view of asking that a bill be passed regulating the sale of milk, and to prevent its adulteration. (There being no law on the subject in the State.) I inspected seventy-two dairy farms, which contained 7,478 acres of tilable land. There were 1,098 cows in milking; they produced 5,490 quarts of milk daily. Thirty-seven were wholesale and thirty retail dealers; the others sold butter. On seven-

teen farms the cows were stabled while being milked. Twenty-two barn yards were not in good condition, lack of proper drainage. A number of pumps in the barn yards needed the wells to be looked after. Fifty-five dairymen were opposed to feeding malt from breweries. Most of the farms were in good condition, and the most valuable in the county. But four dairymen washed the udders before milking. The cows were of good stock. No diseases existed among them. I found good water on all the farms with a few exceptions. All the dairymen were in favor of a law regulating the sale of milk, and also to prevent its adulteration. While making the inspection of the dairy farms and while at Centreville, some six miles from the city of Wilmington, my attention was drawn to two vile piggeries, one at Cossart containing 135 hogs and one at Chadd's Ford containing 134 hogs, both places situated in Delaware County, Pa. The drainage from these piggeries emptied directly into the Brandywine river. At Cossart the distance to the Brandywine was about two hundred yards, and the other place not more than fifty yards, both places on the line of the Wilmington & Northern Railroad Company.

I made an inspection, after laying the matter before the president, Dr. Bush, July 27th, 1891. I found the complaint to be true, and reported to the president for orders. By direction of the president I laid the whole subject before Dr. Benjamin Lee, secretary of the State Board of Health of Pennsylvania.

He replied at once and requested that a resolution from our board be formulated, referring the subject to them, and requesting their interference.

The following preambles and resolutions were adopted by the Board of Health of the State of Delaware, July 28th, 1891, and concurred in by the Board of Health of the city of Wilmington, and the Board of Water Commissioners of said city. This subject being laid before them by the Board of Health of the State of Delaware.

PREAMBLES AND RESOLUTION.

WHEREAS, It has been reported to the secretary of the

Board of Health of the State of Delaware that certain nuisances exist on the Brandywine river near Chadd's Ford, on the ground occupied by Charles Darlington, also a nuisance at Cossart station on the Wilmington and Northern Railroad Company, in Chester and Delaware Counties in the State of Pennsylvania, outside of the limits of the Board of Health of the State of Delaware, namely, two piggeries in which are kept 134 and 135 hogs respectively, and that the offensive water which runs from these piggeries flows into the Brandywine river, thus polluting the water which supplies the city of Wilmington, Del.

And whereas, the said secretary has visited these places and has verified the above report.

Therefore, it is deemed proper by the president of the State Board of Health, and by the Board of Health of the city of Wilmington, and also the Board of Water Commissioners of said city that a representation be made to the State Board of Health in Pennsylvania, in which State this nuisance exists, asking that such action be taken in the case as to relieve our citizens of the consequence of this very offensive nuisance. The persons having charge of the piggeries at Cossart are J. P. Pyle, George Newlin and Joseph J. Martin, the latter person residing in Philadelphia, Pa.

[SIGNED]

L. P. BUSH, M. D.,

President State Board of Health.

JOHN P. WALES, M. D.,

President Board of Health of Wilmington.

WM. T. PORTER,

President Board Water Commissioners.

[ATTEST] E. B. FRAZER,

Secretary.

J. A. BOND,

Chief Engineer, Wilmington, Del.

The above preambles and resolution were sent to Dr. Benjamin Lee, secretary State Board of Health, Philadelphia, Pa.

DR. LEE'S REPLY.

STATE BOARD OF HEALTH.

EXECUTIVE OFFICE, No. 1532 PINE ST.,

PHILADELPHIA, JULY 31ST, 1891.

*E. B. Frazer, Secretary State Board of Health, Wil-
mington, Del.:*

DEAR SIR: I have the honor to acknowledge the receipt of a copy of preambles and resolutions of your Board, concurred in by the local Board of Health, and the Board of Water Commissioners of the city of Wilmington, together with a copy of the laws of the State of Delaware for the protection of the purity of public water supplies. I note the fact that you have made a personal inspection of the sources of pollution of the Brandywine river on which the preambles and resolutions are based; I will however take the liberty of ordering an additional inspection on the part of our board. I need not assure you that our board will do all in its power to have this source of contamination of the water supply of so large a population in your State removed. If we had a law as wise and as stringent as your own, the matter would be a very simple one, as it is, the abatement of this flagrant nuisance may occupy a longer period than we could desire.

Yours very respectfully,

[SIGNED] BENJAMIN LEE, M. D., Secretary.

The State Board of Health of Pennsylvania inspects the piggeries at Cossart and Chadd's Ford.

DR. BENJAMIN LEE'S REPORT.

STATE BOARD OF HEALTH.

EXECUTIVE OFFICE, No. 1532 PINE ST.,

PHILADELPHIA, AUGUST 6TH, 1891.

*Mr. E. B. Frazer, Secretary State Board of Health,
Wilmington, Del.:*

DEAR SIR: In response to the request received from your board concurrently with the Board of Health and the Board of Water Commissioners of the city of Wilmington, Del.: I this day, accompanied by Professor W.

B. Atkinson, medical inspector of the Delaware district (Pennsylvania) made a personal inspection of the creameries of Charles Darlington at Chadd's Ford, and J. J. Martin at Cossart station, Chester County. The condition which we found at the first mentioned establishment amply sustained your complaint. The entire drainage of the piggery containing 134 pigs passes directly every day into the Brandywine river. At Martin's establishment no drainage whatever was at the time of our visit entering the little stream which flows by the end of the yard attached to the piggery at a point about 150 yards from its entrance into the Brandywine.

All the manure deposited by the animals in the pens is carted off and used for fertilizing purposes on the farm attached to the creamery. That of the animals which are allowed to run loose in the yard which covers an area of about half an acre, is not, however, as carefully gathered as might be, and there is a probability that during a heavy rain there may be a certain amount of surface wash into the stream. The reported fact that dead hogs are thrown into this stream or the Brandywine from these establishments was absolutely denied by the parties interested, who assert that all such carcasses were at once buried and this assertion was corroborated by residents in the neighborhood not connected with the establishments. The carcasses which have been seen floating in the stream must, therefore, have been placed there by other persons. It is not at all an uncommon thing for farmers to make this disposition of their dead animals.

The instructions given by our board are as follows: In the case of Charles Darlington, that the discharge of the drainage of his piggery into the stream running through his property or into the Brandywine river shall at once cease. In the case of J. J. Martin, that an embankment ten feet broad be made across the lower end of the yard connected with his pen, of such height that no surface wash can reach the stream from the same. Trusting that these precautions will be sufficient to pre-

vent any further pollution of the river, and that they will be satisfactory to your honorable body, I have the honor to be

Yours respectfully,
BENJAMIN LEE, M. D., Secretary.

I found the cemeteries at both places to be in excellent condition.

The secretary read his report on the inspection of towns and public buildings commencing July 18th, 1891, as follows:

CITY OF NEW CASTLE.

The City Council acts as a Board of Health and they have been quite active. I found the town to be in fair sanitary condition. Good water and pure milk is supplied to the citizens. There have been a few cases of diphtheria in the city. Proper precautions are taken. I interviewed the president of the City Council, Thomas Frazer, Esq., and the following physicians, Drs. John J. Black, David Stewart, Tyabout and Kuntz. The general health of the people is good. The public schools were not open. Vaccination is not attended to.

NEW CASTLE JAIL.

I examined the jail throughout and found it in good condition. No sickness among the inmates, who number 138—seventy-six white and sixty-two colored. The food furnished to the inmates was clean and fresh. They are given two meals per day. The jail is crowded.

EDGE MOOR.

This town was found to be in an unclean condition. Privies foul, garbage not removed. The inhabitants were very much annoyed by the odor from these nuisances. By direction of the president I notified the Edge Moor Iron Company, who own all the houses, of the unsanitary condition of the place August 6th, 1891.

Their reply is as follows:

EDGE MOOR IRON COMPANYS REPLY.

EDGE MOOR IRON COMPANY,

EDGE MOOR, AUGUST 7TH, 1891.

*Mr. E. B. Frazer, Secretary State Board of Health,
Wilmington, Del.:*

DEAR SIR: Your favor of the 6th inst., received. The recent heavy rains that we have had have filled up the gutters about our village and caused them to be in so bad a condition. We have also been obliged to use for other purposes the man who attends to the regular cleaning of the village, but will put a sufficient force at once upon this work and have the gutters cleaned out, pond filled up, ashes removed and the other nuisances attended to. We will therefore assure you that in a few days every thing will be put in good condition entirely to your satisfaction.

Yours truly,

[SIGNED] H. B. BRADFORD, Superintendent.

LAUREL.

I visited this town September 3d, 1891, at the request of the president of their Board of Health. The Board of Health of Laurel ordered one of their citizens to remove a dead horse found in a stable owned by this citizen and in his possession. He refused. The board ordered the dead animal to be removed by their officer, which was done, and the board paid the bill. They sent the bill to this citizen and he refused to pay it. The board entered a civil action to recover the amount expended by them. Attorneys were employed on both sides. When I arrived at Laurel I looked into the law and advised that a criminal action be taken against the defendant for refusing to obey the orders of the board. While the case was being arranged the defendant, through an agent, settled the case by paying the amount demanded and the costs. This was wise on the part of the defendant, who is a worthy citizen, but he had bad advisors. The Board of Health of Laurel gained a great and just victory. In the future the people will know it is hard to kick against the legal authority who in this

instance represented the people who are always in favor of the law of the land being executed, and more especially when such action is to save life and to prevent the spread of disease. Let me say that J. Turpin Wright, chairman of the Board of Health of Laurel, acted patiently, legally and wisely for the people whom he represented.

SMYRNA.

August 14th I looked over this town. I found that their system of drainage could be improved. The waste water from dwelling houses is carried by pipes into old abandoned wells in the rear of the dwelling. They obtain their drinking water from their new water works. This is good water. A creamery here was in excellent condition. A canning factory on the main street with a dwelling house on each side not more than forty feet distant. This cannery is a nuisance during the fall when tomatoes are being canned. Complaint has been made to the local Board of Health of Smyrna time after time but no action has been taken. The milk supply is good. There is some little sickness at this time. The streets were in good condition. A slaughter house was in only fair condition. The public school was closed. No attention is paid to vaccination. I interviewed Drs. Ashcraft, Clifton, Dwight and Swinney. The general health is good.

BRIDGEVILLE.

A complaint from this town of stench from pig pens was inquired into and the nuisances abated. The physician here reported that there was but little sickness in that vicinity.

DELAWARE CITY.

The public school building was not cleaned as it should be. I notified the school directors. A tomato cannery here was a nuisance, caused from stench of the refuse being piled up in one corner of the yard and notified J. E. Stansbury Sons & Company to remove the nuisance. Also notified Mayor Eugene Reybold. Called on Dr. Bellville. The sanitary condition of the town is good, and the general health good.

CAMDEN.

On September 15th, 1891 a complaint was received of an offensive slaughter house recently erected within the town limits and at least seventy-five yards from any dwelling house. I was asked to investigate the matter, and did so on the above date in company with their local Board of Health and town commissioners. I inspected the two or three slaughter houses and found them to be in only fair condition. A conference held with the local Board of Health and town commissioners. I left the whole subject in the hands of the local Board of Health, who expressed a willingness to enforce the law. The canning factory here was in good condition. I found clean streets and good water for drinking purposes. Dr. Cromwell, president of the local Board of Health, reported that there were a few cases of diphtheria in town at this time. The general health was good. Vaccination is not attended to. I saw Dr. E. W. Cooper for a few moments, he was about to leave for the West on a visit to be gone a week or so.

FREDERICA.

I found this town to be in good sanitary condition, good water and clean streets. Two large tomato canneries here were in first class order and doing a large business. The school building was badly in need of repairing. I hunted up the school directors and laid the matter before them. I interviewed Drs. Albert and Benjamin Whiteley, H. W. German and W. F. Hoey. The general health was good. Frederica is a healthy place to reside, and the surrounding country is in a high state of cultivation, and the soil is of the best, none exceeds in the State. Dr. Albert Whiteley entertained me during my stay and showed me the beautiful surrounding country. Little attention is paid to vaccination. They have no Board of Health.

MILFORD.

On September 16th, 1891, I visited this place. It is a thriving town and the surrounding country is among the best in the State. Two canneries here were in only

fair condition. They employ several hundred persons. The trouble is the waste is not removed every day and becomes noisome. The local Board of Health is active, and are doing a good work. The public school building in North Milford was in only fair condition. The defects were referred to the principal. Milford is about to erect new water works. I interviewd Dr. Wm. and George W. Marshall, J. O. Pierce, Nathan, Pratt, Dawson and Purnell. The general health was only fair. The streets were in excellent condition. Little or no attention is paid to vaccination.

HARRINGTON.

September 17th. A cannery here situated about two hundred yards South of the town was doing a large business, but the building was dirty and noisome. The refuse was not removed and the foul odor was very annoying to the town people, who complained to me. The public school building was being repaired. The streets were in good order. The drainage of the town is bad. The outhouse at the depot was full and noisome. Notified the agent to clean it out. On my return three days afterwards the well was cleansed all right. Dr. West said there were a few cases of diarrhœa and malaria. Dr. Owens said the general health was good. They have no Board of Health here, yet they have been urged many times to organize a Board of Health. Little or no attention is paid to vaccination.

SEAFORD.

September 17th. The Board of Health here is active. The sanitary condition of the town was good and the general health good. Examined the public school building. Called the attention of the principal to several defects. The slaughter house here was very clean, but the pig pens adjoining were noisome and the attention of the Board of Health was drawn to these nuisances. Saw Dr. H. Martin. The other physicians were not at home. Vaccination is not attended to.

CONCORD.

September 18. This town is situated on the Nanticoke

river, three miles below Seaford. It stands high and dry above the river. The soil is sandy. I found good water and nothing to complain of. I was the guest of Dr. Robert G. Ellegood, who reported that the general health of the people was good. The Doctor showed me the country for miles around. They have here good water, pure air and soil. No Board of Health here. Not much attention is paid to vaccination.

LEWES.

September 19th. This town always looks clean and healthy. They have good streets and good water. Their school building is large and in good repair. I called at Dr. David L. Mustard's place and learned that he was out of town. I then called on Dr. Hall, but he was not in his office. I was disappointed. I learned that the general health of the people was good. I also learned that the drainage of one or two streets was bad. After notifying the proprietor of the hotel to clean out his out-house, which was noisome, I left late in the afternoon for Georgetown.

GEORGETOWN.

September 20th. Remained here two days. Examined the town from one end to the other. The sanitary was not what it should be. Notified the town commissioners of the defects found. They have no Board of Health here. A cannery here was in first class condition, as was also the large and commodious school building. I interviewed Drs. Waples, Layton and Richards. I learned that diphtheria, dysentery, typhoid fever and cholera infantum prevailed to some extent. I also visited the editors of the newspapers and Justice of the Peace Thompson. Little or no attention is paid to vaccination. The general health was fair. An active Board of Health here would save much sorrow and suffering.

SUSSEX COUNTY JAIL AT GEORGETOWN.

I found the institution clean. Eleven prisoners are confined. Eight colored and three whites. This speaks well for the morals of a people having a population of 38,647 in the county and only eleven persons committed

for crime, and these of a trivial nature. There was no sickness. They are well fed on good substantial food. There are no out-houses or urinals for the inmates. They are provided with wooden buckets and empty the buckets on a manure pile in the back yard. A pig pen here was noisome. Notified the sheriff of these defects. The old jail is quite a curiosity in all its appointments and very antiquated.

SUSSEX COUNTY ALMSHOUSE.

This institution is situated about three miles from Georgetown, Southwest. The buildings are large and well kept. Number of inmates, fifty-five—twenty-six white, twenty-nine colored. No sickness in the institution. They are provided with an abundance of good food produced from the large farm of 360 acres. But one death occurred in the institution since January 1st, 1891. There is thirteen trustees in the board. They meet monthly. Dr. C. R. Layton is the physician and C. Messick is the superintendent.

DOVER.

September 22d. I found the sanitary condition of this town to be good. They have a very active Board of Health. Here is to be found clean streets and good water. Every thing looks inviting.

CONFERENCE ACADEMY.

The building has been enlarged and all the modern improvements have been placed therein. It is the largest and best adapted for educational purposes than any other institution erected for training the mind in the State. One hundred and fifty students are now in attendance. No sickness in the institution. Professor W. L. Gooding is the principal. The people of Dover may well be proud of this excellent seat of learning.

DOVER PUBLIC SCHOOLS.

This is an excellent school building and is kept in first class order. I found nothing to complain of. Number of pupils in attendance is 400. Number of teachers eight. The sexes are about equally divided. A few

pupils were under treatment for myopia. No sickness. Professor J. E. Carroll is the principal. The board of directors attend to all complaints promptly.

DOVER CANNERIES.

Richardsons is the best managed of any cannery in this country. Every thing used is the best and put up in the best manner. The place is a model of neatness and cleanliness. J. M. Chambers is also a model canner, and his mode of doing business is always up with the times.

DOVER COLORED SCHOOL.

The building has been improved. The school was closed. Will open in about one week.

KENT COUNTY JAIL IN DOVER.

I found the building clean, with four white and fourteen colored prisoners. They are well fed. No sickness among them. The building is of stone and bricks. Dr. Frame is jail physician. I called on Drs. Wilson and Downs. They report that the general health is good. Vaccination not attended to. I examined the registration books in the Recorder's office here and at Georgetown and found some improvements made.

KENT COUNTY ALMSHOUSE.

This institution is seven miles from Dover. Dr. E. W. Cooper is the physician and E. B. Downs is the superintendent. There are sixty-eight inmates—forty-three white and twenty-five colored. Some little sickness here. Sanitary condition good. The large farm of 350 acres was very prolific this year. They have an abundance of fruit and other crops were good.

LEIPSIC.

This town is situated about seven miles from Dover, Northwest, and is on a river by the same name. I found nothing to complain about except the out houses at the public school. I called the attention of this neglect to the school directors. I called on Dr. W. K. Conway, who is president of their local Board of Health. The

board is active. The Doctor said the prevailing diseases in his practice, which extends over a large scope of country were malaria, typhoid fever, scarlet fever, dysentery, diarrhœa, consumption and other lung troubles. Typhoid fever was traced to well water impregnated by surface water. There is no cause for alarm said the Doctor. Vaccination is not attended to. I returned to Wilmington, September 23d. During my inspections I interviewed twenty-four physicians.

EAST LAKE PARK.

This town is in Brandywine hundred and adjoins the limits of the city of Wilmington and contains about one hundred houses. I was requested to inspect this place. I did so October 16th, 1891. During the past six months typhoid fever has been lingering at this point on the Philadelphia turn pike. Seven persons had died of this disease during the past six months. I found one case and it was convalescing. The house was in good condition, cellar dry and clean, water good, and the milk supply was of the best. I inspected all the houses where death did its work and examined the place carefully. I am of the opinion that the cause of the disease was due to bad drainage. The streets are not paved, out houses not cleaned, garbage not removed nor any refuse. The place is new, built up in a year or two and is under no lawful authority. I referred the subject to the city Board of Health, Dr. John P. Wales president. The local Board of Health of Wilmington has jurisdiction in the case of nuisances.

NEWARK.

November 4th, 1891 I inspected this town and found it to be in good sanitary condition. The drainage at one point at the lower end of the town might be improved. I called the attention of the local Board of Health to this neglect.

DELAWARE COLLEGE.

I found nothing to complain of except a pile of rubbish in the rear of the college up against the wall of the building. I had the matter drawn to the attention of

Dr. Wolf, who promised to have it removed at once. Dr. Wolf is a member of the local Board of Health. The number of students in attendance is ninety-two.

NEWARK ACADEMY.

Professor Handy is the principal. Seventy-two students are in attendance. The building was in good condition. A pile of rubbish in the rear of the building was drawn to the attention of the Professor.

NEWARK PUBLIC SCHOOL.

Mr. A. H. Raub is the principal, with four female assistants. Number of pupils in attendance is 246. No sickness. Sanitary condition good. The building is crowded. Although nearly new, the school is very prosperous.

NEWARK COLORED SCHOOL.

The building is situated in the northern part of the town and is frame and is in fair condition. Number of pupils in attendance is sixty. No sickness. Miss Victoria Deaper is the teacher. Dr. H. G. M. Kollock said the general health of the people was good and they had not had an epidemic for fifteen years. Vaccination is not attended to.

October 16th, 1891 I was requested by Dr. A. T. Neale, of Delaware College, to investigate a case of sickness caused by eating grapes. I did so and found the man was sick before he ate the grapes, which came from New York State. I reported that there was nothing in the case.

MIDDLETOWN.

Dr. T. H. Gilpin, president of the local Board of Health of Middletown, reports that the sanitary condition of their town is better than it has been for fifteen years. A taste of the law did it.

The secretary said in conclusion: "I hereby state that I have attended to all letters received by me, and have mailed valuable reports from other State Boards of

Health to all the principal towns in this State. I have notified clergymen, physicians and undertakers to comply with the law, sending them a copy thereof. And, whatever in my judgment was of interest from a sanitary point to the people of this State I have brought it to their notice through the public press.

The subject of vaccination was discussed, whereupon Dr. E. W. Cooper introduced the following preambles and resolutions, which were adopted.

At a meeting of the Board of Health of the State of Delaware, on November 24th, 1891, in Wilmington, Dr. E. W. Cooper introduced the following resolution which was adopted:

RESOLUTIONS.

“WHEREAS, The Legislature of this State has instituted a State Board of Health, to whose direction and proper execution of the various laws promotive of the hygiene and sanitary condition of the State and the security of the health and life of its citizens have been entrusted; and

“WHEREAS, Smallpox has made its appearance in States immediately adjacent to us, and our laws providing for the vaccination of school children are not being executed; leaving more than half our citizens subjects for the reception and spread of the dire disease; therefore be it

Resolved, That the Secretary prepare and furnish to every clerk in their several school districts, and also to the trustees of the poor of each county, a copy of the law regulating the vaccination of the pupils of our schools.

“*Resolved*, That a failure to comply with the law will be met with such action as the State Board of Health may deem necessary in the premises.”

INFECTIOUS DISEASES.

AN ACT TO PROVIDE FOR THE VACCINATION OF CHILDREN IN THE FREE SCHOOLS, AND FOR OTHER PURPOSES.

Be it enacted by the Senate and House of Representatives of the State of Delaware in General Assembly met :

SECTION 1. The trustees or commissioners of school districts, and boards of education, are required, within one month after the passage of this act, to oblige all children, applying for admission to the free schools, and all children who have previously been admitted to the said schools, to be vaccinated, unless already protected from smallpox by vaccination or by an attack of smallpox.

SEC. 2. The said commissioners or boards of education shall have a copy of the foregoing section posted at the door of every school house, for two weeks before it shall be carried into effect ; such notice shall state how such free vaccination shall be procured under the provision of this act.

SEC. 3. Persons affected with diphtheria, measles, scarlet fever, or small pox, shall be excluded from the schools until permission of the proper school officers for such persons to return is granted ; and intercourse between pupils of the school and the family or house, when there is any case of one of these contagious diseases, must be forbidden until the official permission is given to return to the school.

SEC. 4. Every person who is unable to pay for vaccination, or every child whose parents or guardians are unable to pay for the same, not residing in the City of Wilmington, may be vaccinated by any physician or physicians who may be designated for that purpose by the Trustees of the Poor for each hundred ; and for each person or child so vaccinated such physician or physi-

cians shall be paid by the Trustees of the Poor for the county the sum of fifty cents. Every such physician shall give a certificate of vaccination to the child so applying.

Passed at Dover, March 21, 1883.

By order of Board of Health, State of Delaware.

E. B. FRAZER, Secretary.

On motion of Dr. David L. Mustard the Secretary was instructed to obtain the name and address of all the school teachers in the State (Wilmington accepted) through the Superintendent of the public school of each county for the purpose of finding out from the teacher how many children attending the public schools were vaccinated and how many not vaccinated. The report to be made on a postal card by the teacher and mailed to the Secretary, he to furnish the postal card to each teacher. The motion was adopted.

After drawing orders the board adjourned.

E. B. FRAZER, Secretary.

WILMINGTON, Del., March 17, 1892.—A special meeting of the Board of Health of the State of Delaware was held at the Central Hotel on the above date.

Members Present—Dr. Wm. T. Skinner, Dr. E. W. Cooper, Dr. D. L. Mustard, Dr. Robert G. Ellegood.

At 1.30 o'clock p. m., the Board organized. On motion of Dr. Cooper, Dr. Ellegood was called to the chair. After expressions of each member on the death of the late president, Dr. L. P. Bush, of the State Board of Health, Dr. Cooper introduced the following preambles and resolution, which were adopted.

RESOLUTIONS.

WHEREAS, By one of those inexplicable and strange dispensations of Providence a good citizen, zealous worker for the uplifting of his fellow-man and a true Christian gentleman, has been suddenly taken from our midst. And

WHEREAS, By the death of Dr. L. P. Bush the State Board of Health has lost its founder as well as its presiding officer, and the commonwealth a laborious and untiring worker in the line of preventative medicine.

THEREFORE BE IT, *Resolved*, That while we must submit to the loss thus incurred we yet deem it eminently fitting that we thus express our appreciation of his worth and our profound sympathy with his family and friends.

On motion of Dr. Cooper, Dr. Skinner was elected president of the board during the interim, that is until the next stated meeting of the board on Tuesday, May 31st. After drawing orders for the expenses of this meeting, on motion of Dr. Cooper, the board adjourned.

E. B. FRAZER, Secretary.

WILMINGTON, Del., May 31, 1892.—A stated meeting of the Board of Health of the State of Delaware was held at the Central Hotel in Wilmington on the above date.

Members present—Dr. Wm. T. Skinner, Dr. Irving G. Vallandigham, Dr. Alex. Lowber, Dr. Albert Whiteley, Dr. E. W. Cooper, Dr. David L. Mustard, Dr. Robert G. Ellegood.

Dr. Wm. T. Skinner was called to the chair.

The minutes of the last stated and special meetings were read and approved.

The committee on heating and ventilating school buildings were continued. Dr. Skinner, chairman.

The following paper on the life and services of Dr. L. P. Bush, late president of this board, was read by Dr. Irving S. Vallandigham.

Dr. Vallandigham said: "By the sudden death of the venerable Dr. L. P. Bush on March 5, 1892, this board was deprived of its official head. Although Dr. Bush had passed the allotted time to man on earth his death

was a shock to all, and especially to the members of this board, who saw him preside at our last regular meeting apparently in the enjoyment of excellent health. Lewis Potter Bush was born in Wilmington, October 19, 1812, prepared for college in the schools of his native State and graduated from Jefferson College, Cannonsburg, Pa., 1831. On his return home he entered upon the study of his chosen profession in the office of Dr. Wm. Bowen, of Bridgeton, N. J., and graduated from the medical department of the University of Pennsylvania in 1835.

After one year's service on the hospital staff at Blockley Hospital he opened an office in his native city, where he continued the practice of medicine up to the day of his death. Known and respected of all men as an honest man, a skilled physician and a public spirited citizen. Perhaps the life work of a physician is more difficult to estimate than that of most men engaged in public employment. Who but the physician himself can tell of the anxious days, the wearing night-watches which are the natural and inevitable results of his calling, a burden almost beyond endurance to the sensitive and nervous temperament. Of the trials and anxieties inseparable from a very large general practice, Dr. Bush was not exempt, but fortunately his was a mind and heart well adapted to bear the cares and responsibilities incident to his profession. To a thoroughly trained mind an even and patient disposition was added true piety that dominated and influenced every act of his life. Although the good that Dr. Bush accomplished in his everyday life can only be told by the thousands to whom his services have been acceptably rendered in their greatest need, his public services in behalf of the general good are a matter of record. To Dr. Bush more than to any one man are the people of Delaware indebted for the advancement made in medical legislation, the results of which will be felt for all time. The laws regulating the registration of births, deaths and marriages were inspired by him, thus establishing a basis for the vital statistics of the State, a respect in which

Delaware was far behind her sister States. The law establishing the State Board of Health is the result of his labors. He labored persistently and against many obstacles and discouragements to secure its passage, and afterwards urged upon the Legislature amendments which have brought it up to its present efficiency. In our State medical society he took a deep and active interest, presenting many interesting and valuable papers, while his extensive reading, long and large experience enabled him to add greatly to the interest of the various questions brought before the society. In manner Dr. Bush was always courteous, listening attentively to the views expressed by others on any subject under discussion, and especially to the younger members of the profession he was always kind and considerate. As the historian of the society, with much labor and research, he prepared and read sketches of a very large number of the deceased members, which is a lasting and valuable record of worthy lives spent in the practice of medicine. A busy life is ended and Dr. Bush has gone to his rest full of years and honors respected and regreted by all, and leaving a place in the ranks of our profession, in the church to which he was devoted, in the hearts of his friends not easily filled."

Signed,

IRVING S. VALLANDIGHAM.

Middletown, May 31, 1892.

On motion of Dr. Ellegood the paper was accepted with thanks of the board, and ordered to be published in the next biennial report of the board.

The Secretary read his report on the resolution adopted November 24, 1891. Subject, "Vaccination of children attending the free schools."

As directed, I was furnished by W. H. Burnite, State

Treasurer, with the name and address of the clerk in each of the school districts in the State as follows :

| | |
|---------------------------------------|-----|
| New Castle County, districts..... | 93 |
| Kent County “ | 98 |
| Sussex County “ | 157 |
| Total..... | 348 |

Early in December, 1891, I mailed to the address of each clerk of the school districts a copy of the preambles and resolution, adopted by the board at a meeting held November 24, 1891, and published on page 34, together with a copy of the law on vaccination and the following letter of instruction, and requesting a reply :

Copy of a letter mailed to the clerks of districts :

WILMINGTON, Del., Dec. 18, 1891.

SIR: The Board of Health of the State of Delaware urges that the enclosed preambles and resolutions, and laws regulating the vaccination of the pupils attending our public schools be strictly enforced.

Respectfully,

E. B. FRAZER,

Secretary State Board of Health.

N. B.—Please acknowledge the receipt of this letter by a postal card.

See page 35 for preambles and vaccination law.

Replies received as follows from clerks of school districts :

| | |
|------------------------|-----|
| New Castle County..... | 46 |
| Kent County..... | 32 |
| Sussex County..... | 68 |
| Total..... | 146 |

| | |
|--|-----|
| Number of clerks certified in the State..... | 348 |
| Number who replied..... | 146 |
| Number who neglected to reply..... | 202 |

The Trustees of the Poor in each county were also furnished with a copy of the preambles and resolution, also a copy of the law on vaccination.

As directed by a resolution adopted at the last stated meeting, held November 24, 1891: Subject, notice to school teachers to report the number of pupils attending school, number showing marks of vaccination, number not vaccinated, name of the teacher and address and the number of school district and county. I beg leave to submit the following report :

NEW CASTLE COUNTY.

Number of teachers reported to me by the Superintendent and employed at this date is 101.

Eighty-five teachers replied as follows :

| | |
|---|-------|
| Number of pupils attending school at this date..... | 4,117 |
| Number showing marks of vaccination..... | 2,014 |
| Number not vaccinated..... | 2,088 |
| Number of teachers who failed to report..... | 25 |

This report includes the city of New Castle, whose schools are not under the county or State control, and also includes a report from the colored schools at Delaware City and Newark.

Although I notified the teachers of the colored schools in the following towns, Newark, New Castle, Delaware City, Middletown, Odessa, Symrna, Harrington, Dover-Camden, Frederica, Milford, Milton, Lewes, Laurel, Seaford, Georgetown, Newport and Christiana. But two replied—two teachers—at Delaware City and Newark.

The Trustees of the Poor of New Castle County appointed vaccine physicians in each of the hundreds, who reported to me that they vaccinated 920 white and 510 colored persons. Total, 1,430.

KENT COUNTY.

There were 96 teachers reported to me, employed.

Sixty-eight reported as follows :

| | |
|---|-------|
| Number of pupils attending school..... | 3,312 |
| Number showing marks of vaccination..... | 1,025 |
| Number not vaccinated but attending school..... | 2,406 |
| Number of teachers who failed to reply..... | 28 |

The Trustees of the Poor for Kent County refused to appoint vaccine physicians because they had no funds to defray the expenses, so their clerk reported to me.

SUSSEX COUNTY.

One hundred and seventy-five teachers were furnished with the postal card.

Seventy-three teachers reported as follows (aggregate in each county):

| | |
|--|-------|
| Numbers of pupils attending school..... | 3,911 |
| Number vaccinated showing marks..... | 695 |
| Number not vaccinated, but attending school..... | 3,126 |

The Trustees of the Poor appointed vaccine physicians in most of the hundreds, but did not report to me, except Dr. George W. Pleasanton, of Cedar Creek Hundred, Milford. He reported that he vaccinated 295 colored and 138 white. Total, 434.

The letters received from the clerks of school districts and the postal cards returned to me by the teachers, the letters from the county superintendents and the list of the clerks of school districts furnished by Wilbur H. Burnite, Esq., State Treasurer, were ordered to be filed.

COPY OF A LETTER MAILED TO EACH TEACHER.

A copy on the law of vaccination and the preambles and resolution were also enclosed with the postal card.

WILMINGTON, Del., Jan. 5, 1892.

SIR: Enclosed please find a postal card. Please examine the arms of the pupils attending your school and count how many show marks of vaccination, and those who do not show marks of vaccination. Please fill the blank on the enclosed postal. Give the county and

number of district on the top, and sign your name and address, and oblige.

Respectfully,

E. B. FRAZER,
Secretary State Board of Health.

On motion of Dr. Vallandigham, Dr. Ellegood was requested to have the paper prepared by him and read before the Legislature during the session of 1888, subject: "Vaccination" published in the Seventh Biennial report of the Secretary, together with any new information received since that date.

On motion of Dr. Cooper, action on the resolution read by the Secretary, subject: "Power and authority of the Board under the law for the preservation of the public health, and the law regulating the State Board," and his report upon vaccination of children attending our free schools, was laid over until the next regular meeting.

The Secretary read his report of the inspections by him of the following places and public buildings: the town of Dover, Dover jail, Hosiery plant and the records of the vital statistics in the Recorder's office; also, the Kent county almshouse, Georgetown jail, Public school and Sussex county almshouse; also a report of his meeting with the trustees of the poor of Sussex county at their almshouse, subject: "Vaccination."

Report on the complaint of scarlet fever at Kiamensi and Marshallton. Health in Delaware from October 1891 to January 10th, 1892. Reports of physicians from each of the counties.

Report on the Home for Aged Women, Wilmington; Home for Friendless Children, Wilmington; Ferris Reform School, near Wilmington; Delaware City—town and Public school; New Castle—town, jail, New Castle county almshouse, District No. 22; Registration of vital statistics in the Recorder's office in Wilmington; Mortuary report of Delaware for the year 1891 as compared with the year 1890; Report of vital statistics in the town of Dover for the year ending March 1st, 1892, by

Dr. P. S. Downs, of Dover's Board of Health, State Treasurer's report, Finances of the Board, Report on bills and vouchers by the Secretary, letters from abroad, read various subjects, reports from other States on zymotic diseases.

The Board adjourned at one o'clock, p. m., and convened again at two o'clock, p. m. Same members present. The Secretary read his bill for expenses for the past six months, which includes all printing and carriage hire; the bill was itemized and amounted, \$75.83. On motion of Dr. Whiteley the bill was allowed and ordered to be paid.

Dr. Cooper introduced the following resolution which was adopted: *Resolved*, There shall be an auditing committee and a committee on revision and publication of the reports, consisting each of one member from each county. No bills shall be allowed without the approval of the auditing committee except in urgent cases, approved by the President in the interim of the meetings.

Dr. Cooper introduced the following resolution which was adopted: *Resolved*, That the Secretary be authorized and instructed to ascertain from the Attorney-General of the State of Delaware, what power resides in the State Board of Health to enforce the law pertaining to vaccination and other board of health laws.

Dr. Ellegood introduced the following resolution which was adopted: *Resolved*, That from and after this time the President of this Board, between the stated meetings thereof, may order and direct any action of the Secretary which in his judgment may deem proper, and make the necessary orders for paying the expenses of the same.

On motion of Dr. Vallandigham, the Secretary was instructed to notify the operators of canneries to remove all refuse from their works daily, before it becomes noisome. In case of refusal, proceedings will be taken against them.

On motion of Dr. Whiteley the Secretary was allowed three hundred dollars for his services for the last six months.

Orders were directed to be drawn to pay the expenses of this meeting, when the Board proceeded to the nomination and election of officers for the ensuing year.

Dr. Vallandigham nominated Dr. E. W. Cooper for President. There being no other nominations Dr. Ellegood was authorized to cast the vote, which was done. Whereupon it was found that Dr. E. W. Cooper was unanimously elected President of the Board for the ensuing year.

E. B. Frazer was elected Secretary of the Board for the ensuing year.

On motion of Dr. Cooper the next meeting of the Board be held in Dover. Carried.

On motion of the same gentleman the board adjourned.

E. B. FRAZER. Secretary.

WILMINGTON, Del., Aug. 18, 1892.—A special meeting of the Board of Health of the State of Delaware was held at the Central Hotel in Wilmington.

The meeting was called at the instance of the Delaware Quarantine Committee, consisting of Dr. Wm. P. Orr, of Lewes; Edwin R. Cochran and J. Thomas Budd, of Middletown. Mr. Budd is the secretary of the committee.

Members present—Dr. Alex. Lowber, of Wilmington; Dr. W. T. Skinner, Glasgow; Dr. Irving S. Vallandigham, Middletown; Dr. Albert Whiteley, Frederica; Dr. E. W. Cooper, Camden; Dr. Robert G. Ellegood, Concord.

DELAWARE QUARANTINE COMMITTEE.

Members present—J. Thomas Budd, Middletown; E. R. Cochran, Middletown.

WILMINGTON BOARD OF HEALTH.

Members present—Dr. E. G. Shortlidge, president ; Dr. Willard Springer, Port Physician ; Dr. A. E. Frantz, W. C. R. Colquhoun, Secretary ; Harry Palmer, of the City Surveying Department.

PRESENT FROM PENNSYLVANIA.

Andrew Osborn, Quarantine Commissioner, Booth-ryon, Pa. ; Hon. Joseph R. Coates, Mayor of Chester, Pa. ; Dr. J. L. Foward, Chester, Pa. ; Hon. Ward R. Bliss, State Senator, Pa.

President E. W. Cooper, M. D., called the meeting to order at 11 o'clock, a. m., and briefly explained the object of the meeting.

J. Thomas Budd, secretary of the Delaware Quarantine Committee, addressed the meeting at length on the subject under discussion, namely, the removal of the Lazaretto from its location near Philadelphia, to some point on the Delaware river or bay. Mr. Budd said that the committee had inspected every point on the Delaware river and bay as far as Lewes at the Delaware Breakwater, and the only available place was Bombay Hook, some 40 miles below the city of Wilmington.

The other places inspected were useless, because of shallow water—not of sufficient depth to admit large ships. He said the committee had visited and inspected the Quarantine Stations of New York city and Boston, and other points and they were convinced that Bombay Hook was the only place on the Delaware river or bay suitable to establish a Quarantine Station, and it had all the points or advantages required, as to depth of water, isolation from the main land, and about 8 or 10 miles long by about $2\frac{1}{2}$ miles wide.

The Pennsylvania delegation presented their side of the matter in a very able manner, which was that the location of the Lazaretto as it now existed, was surrounded by a thick population, and that the time was at hand for its removal to some point on the Delaware river near the Breakwater.

The State Board of Health and the local Board of Health of Wilmington took part in the discussion, and this being the first meeting held by the joint representatives of the States of Delaware and Pennsylvania, they were unable to decide upon a site on the Delaware river or bay for the establishment of a Quarantine Station at present. The whole subject was discussed in a spirited but friendly manner. The meeting adjourned at 1.30 o'clock until 2 o'clock for dinner. At 2 o'clock President Cooper called the meeting to order, and the discussion was resumed for an hour.

Dr. Skinner moved that when the Board adjourns it be to meet at Bombay Hook at an early date. The motion was lost.

It was agreed that the President, Dr. Cooper, be authorized to call a special meeting of the Board during the month of October next for the purpose of taking action on this important subject as presented by the Delaware committee, by authority of the Hon. Robert J. Reynolds, Governor of Delaware.

After drawing orders for the expenses of this meeting, on motion of Dr. Ellegood the Board adjourned.

E. B. FRAZER, Secretary.

EXPENSES OF THE BOARD

FROM NOVEMBER 24TH, 1891 TO AUGUST 18TH, 1892.

1891.

| | | |
|----------|---|----------|
| Nov. 24. | Regular meeting of the Board. | |
| | Expenses of the members..... | \$ 29 45 |
| | E. B. Frazer, Sec'y, postage, etc..... | 8 05 |
| | Inspection at Green Bank, car fare.... | 30 |
| | Inspection at New Castle, car fare.... | 55 |
| | Inspection of Dairy farms, 5 days, Dinners and toll..... | 4 40 |
| | Inspection of Piggeries at Cossart and Chadds Ford..... | 1 75 |
| | Inspection Edge Moor village, toll.... | 06 |
| | Inspection at Smyrna, car fare, etc.... | 2 00 |
| | Inspection at Laurel, car fare, etc. | 7 15 |
| | Inspection Delaware City, car fare, etc. | 1 54 |
| | Inspection at Camden, car fare, etc.... | 1 51 |
| | Inspection of Towns throughout the State | 25 35 |
| | Inspecting East Lake Park, expenses | 10 |
| | Inspection at Newark, car fare, etc.... | 1 25 |
| | Cap paper,..... | 75 |
| | Carriage hire, inspection of Dairy Farms, 72 farms..... | 19 50 |
| | Pens and Pencils | 33 |
| | Postage Stamps..... | 3 00 |
| | Dinner at Meeting, Nov. 24, 1891..... | 50 |
| | Star Publishing Company, printing... | 10 75 |
| | 8 subscriptions to Climatologist..... | 16 00 |
| | E. B. Frazer, Sec'y, allowance 6 mos. | 500 00 |

1892.

| | | |
|----------|---|-------|
| March 17 | Special Meeting in Wilmington. Expenses of Members of Board..... | 19 95 |
| May 31 | Regular Meeting in Wilmington. Expenses of Members of Board..... | 23 95 |

Amount carried forward.....\$ 678 19

| | | |
|--|---|------------|
| <i>Amount brought forward</i> | | \$ 678 19 |
| 1892. | | |
| May 31. | One pint of ink..... | 35 |
| | Expressage..... | 2 00 |
| | Fee to State Treasurer..... | 2 00 |
| | Star Publishing Company, printing... | 19 60 |
| | Inspection of Kiamensi, car fare..... | 30 |
| | Mucilage, | 10 |
| | E. B. Frazer, Sec'y, dinner, February 17th, 1892..... | 50 |
| | E. B. Frazer's expenses to Dover and Georgetown | 10 00 |
| | Car fare..... | 10 |
| | Inspection, Delaware City, expenses.. | 1 75 |
| | Inspection, New Castle and Ferris Reform School..... | 1 50 |
| | Pens | 10 |
| | Postage, stamps and cards..... | 31 03 |
| | E. B. Frazer, Sec'y, dinner, May 31, 1892 | 50 |
| | Carriage hire, | 6 00 |
| | E. B. Frazer, Sec'y, allowance for 6 months..... | 300 00 |
| Aug. 18. | Special meeting in Wilmington | |
| | Expenses of Members of Board..... | 20 16 |
| | G. W. Ortlip, dinner for visitors..... | 5 00 |
| | E. B. Frazer, Sec'y, dinner..... | 50 |
| Total..... | | \$1,079 68 |
| Deduct expenses of Meeting, Nov. 24, 1891..... | | 634 29 |
| Expenses from Jan. 1 to Aug. 18, 1892..... | | \$ 445 39 |
| Annual appropriation,..... | | \$1,000 00 |
| Deduct expenses to Aug. 18, 1892..... | | 445 39 |
| Balance due the Board for 1892.... | | \$ 554 61 |
| Add for balance due Dec. 31, 1891..... | | 19 80 |
| Less old orders | | 9 70 |
| Balance | | \$ 564 71 |
| Approved, Nov. 28. 1892. | | |

THE FERRIS INDUSTRIAL SCHOOL.

WILMINGTON, May 12, 1892.

*To the President and Members of the Board of Health
of the State of Delaware.*

GENTLEMEN :—This institution was incorporated March 10, 1885, and is situated about three and a-half miles from Wilmington. The farm contains two hundred acres with substantial buildings, all in good sanitary condition. Number of boys in the school are white 22, colored 20, total 42. Boys are admitted at nine years of age and not over sixteen years of age. They are under the care of the institution until 21 years of age. For good conduct they are provided with homes in families. The boys are required to attend school in the building every afternoon from September to May under a competent teacher. They are also required to help till the farm. They are given three meals per day, and are provided with clean beds and are required to take a bath twice a week. The stock of the farm is 19 cows, 7 head of horses, 8 hogs, besides lot of poultry. The water supply is good—also the system of drainage is all that could be desired. For want of room the boys are obliged to sleep in one room in single beds; each bed being covered with a white counterpane and white muslin sheets. An addition to the main building will soon be erected which will be a great improvement. This institution is managed by a thorough system in everything. The boys are obedient and contented. The management is by a board of 24 trustees who meet on the 2d Thursday of each month. Dr. Caleb Harlan is the president of the Board. Religious instructions are given every Sabbath. The boys are all in good health.

Irvine M. Flinn, M. D., is the physician, and H. E. Haines superintendent; there is also an assistant superintendent, a farmer, a school teacher and a cook.

The committee on finance in their report of January 9th, 1892, give as the aggregate value of the real and personal investments of the corporation the sum of \$102,829.00.

Respectfully submitted,

E. B. FRAZER, Sec'y.

INSPECTION OF NEW CASTLE JAIL.

May 12, 1892.

At the above date the jail was being given a thorough cleaning with water, soap and whitewash—all the crevices in the walls of the cells are plastered over and stopped up. The cells and corridors are whitewashed every month, and the beds refilled with clean fresh straw, the ticks being first washed. The urinals in the cells are flushed every fifteen minutes automatically—and are therefore clean, and devoid of any smell that would be offensive. Sheriff William Simmons has had three bath tubs placed in the prison, and all new arrivals are required to take a bath the first thing—then they are given the regulation suit, and the old clothes burned. Sheriff Simmons destroys all the old clothes, shoes, straw and in fact, all filth and dirt by fire in one corner of the jail yard, this reform is commendable. The boiler pipes in the cellar were leaking, and the attention of the Levy Court is drawn to this defect. Good and well-cooked food is furnished the prisoners twice each day. No sickness in the jail. Number of prisoners, 136; white, 86; colored, 50; 3 white and 12 colored females; 6 life prisoners, all males; 43 at labor. The jail is heated by steam and lighted with gas. The city of New Castle I found to be in good condition, and the authorities very active in matters pertaining to sanitation. Dr. David Stewart, jail physician, stated that he had vaccinated quite a number in the jail, but said he, most of the prisoners showed marks of vaccination; he also said he had vaccinated a number in his practice, and school children by order of the Trustees of the Poor; he also reported that the general health of the people was good.

F. E. Herbert, Mayor, stated that all the pupils attending the public schools had been vaccinated.

SCHOOL DISTRICT NO. 22.

Miss Reba J. Coyle, the teacher of this district, reported to me January 30th, as follows: Number of pupils in school, 32; number showing marks of vaccination, 12; number not vaccinated, 20. May 12th I called and found 25 pupils in school and all vaccinated. No sickness among the pupils, and the school building and surroundings in good condition.

NEW CASTLE COUNTY ALMSHOUSE.

The superintendent, John Guthrie, left this institution in excellent condition.

Respectfully,

E. B. FRAZER, Sec'y.

HOME FOR FRIENDLESS CHILDREN.

WILMINGTON, April 20, 1892.

This institution is situated just outside the limits of the Ninth ward, in Brandywine hundred. It is built of bricks three stories high, and contains 45 rooms, with all the modern improvements. The situation is commanding and beautiful: some four or five acres of ground belong to the corporation. There were 39 boys and 21 girls in the home, all in good health: not one death has occurred in the home for over three years. Their water and gas supply is furnished by the city of Wilmington. I found the plumbing, cellar, and building throughout to be in first-class order. The building is heated by steam. I was assured that their milk supply was good. The children attend Sabbath school at the Methodist Church at East Lake park near at hand, they also receive religious instructions from clergymen of various denominations, (protestant). Children are admitted to the home from two to twelve years of age. Two teachers are employed to instruct them. They are provided with good homes until of age. Thomas McClaay is chairman of the Board of Trustees. There is also a ladies department. Dr. Negendank is physician and Mrs. Eliza Crouch, matron.

Respectfully submitted,

E. B. FRAZER, Sec'y.

HOME FOR AGED WOMEN.

WILMINGTON, April 20, 1892.

This institution is situated on the corner of Gilpin avenue and Harrison street. It is built of bricks, three stories high and contains 57 rooms well ventilated, with wide hallways, it is heated with steam, and I found it to be in excellent condition throughout. There were 33 inmates in the home, all in good health; no deaths have occurred for more than a year. The youngest is in her 61st year, and the eldest in her 91st year; they are all natives of Delaware and Maryland, except three who are natives of Ireland. This institution is under the management of 21 ladies, who meet the first Saturday in each month. Religious services are held every Friday afternoon in the protestant faith. The financial condition is good, and the management is excellent. Mrs. Rebecca S. Williamson is the matron with several assistants. Dr. Kittinger is the physician.

Respectfully submitted,

E. B. FRAZER, Sec'y.

VISIT TO DOVER AND GEORGETOWN.

WILMINGTON, April 6, 1892.

*To the President and Members of the Board of Health
of the State of Delaware.*

GENTLEMEN:—March 24th last, I received an invitation to be present at the meeting of the Trustees of the Poor of Sussex county, at their Almshouse, on Tuesday, April 5th, in the evening. The invitation came through Dr. G. W. Pleasanton, of Milford, and vaccine physician for Cedar Creek hundred. I left Wilmington Monday evening and went to Dover, where I remained until ten o'clock the next day. While at Dover I inspected the new hosiery plant, situated on State street, at the southern part of the town. The building is built of bricks, 125 by 32 feet and one-story high, with a dry cellar. The light and ventilation is all that could be desired. The urinals and closets, wash rooms are in the cellar and attached to a drain or sewer, and the waste is carried to a stream some distance away south. The closets and wash rooms for the male and females are in different parts of the building. They were very clean throughout. At this date 40 males and 40 females are employed. The skilled labor is from Germany, and are all males. At this date they manufacture none but ladies' hose, which are taken to Philadelphia and dyed black. A dye house will be completed soon adjoining the plant, after this is done men's hose will be made and the goods completed here. A girl can learn her part of the work in about a week, the work is light and clean, they are very busy at present. No sickness among the employees. They have good water, and the sanitary condition of the building inside and outside was excellent.

DOVER JAIL.

The jail was clean throughout; 22 prisoners, 1 colored female, 7 white males and 14 colored males. The cells have urinals in them and are flushed several times a day.

RECORDER'S OFFICE.

James Virden, Recorder, showed me the registration books, they were neat and clean. The new registration book for the registration of physicians, clergymen, undertakers and mid-wives, which I ordered made two years ago, has not a name in it. No attention is given to this part of the law. I examined the certificates of births and deaths received since January 1st last, 1892. I find the following physicians have reported births up to April 1st: Dr. J. D. Pierce; Dr. J. M. Smith, Cheswold; Dr. R. S. W. Hiron, Smyrna, dead; Dr. Geo. W. Marshall, Milford; Dr. H. A. Nicholson, Magnolia; Dr. P. S. Downs, Dover; Dr. P. T. Carlisle, Frederica; Dr. — German, Frederica; Drs. Albert and Benjamin Whiteley, Frederica; Dr. L. S. Conwell, Camden; Dr. W. H. Cooper, Kenton; Dr. J. M. Wilkinson, Willowgrove; Dr. C. O. Swinney, Smyrna.

UNDERTAKERS IN KENT COUNTY.

W. A. Faris & Bro., of Smyrna, returned 34 death certificates since January 1st, and also W. E. Smith, of Dover, quite a number. The name of a physician did not appear on any of these. Most certainly such certificates are worthless and valueless. I found very few certificates of deaths signed by any physician; the undertaker gives the cause of death. The recorder reported that Undertaker W. H. Dulin, of Camden, made no reports, and he did a good business. The registration books of births and deaths in Kent and Sussex counties have no space or column for the physician's name, coroner, mid wife or undertaker, so the records are worthless and valueless. Mr. R. O. P. Wilson, Secretary of the Board of Public Education of Dover, told me that all the pupils, over 400, in the Dover Public School were vaccinated, except 15, and they were not allowed to come to school. Well done Dover.

GEORGETOWN.

On April 5th, I examined the registration books in the office of J. J. Morris, Recorder of Sussex county. They are kept piled up in a window, no place to put them elsewhere; they were neat and clean, otherwise the same defects exist as in Kent county. The registration book for officials is partially kept. I examined the certificates received for the quarter ending March 31st, 1892, and find that the following physicians reported births since January 1st, 1892: Dr. W. F. Haines, Seaford; Dr. G. F. Johns, Gumboro; Dr. D. Hall, Lewes; Drs. R. R. and J. A. Ellegood, Laurel; Dr. Hitch, Laurel; Dr. D. D. Palmer, Bridgeville; Dr. W. T. Suddler, Bridgeville; Dr. C. W. Ammerman, Greenwood; Dr. R. H. T. Wilson, Milton; Dr. J. A. Hopkins, Milton; Dr. — Shipley, Seaford; Dr. J. O. Pierce, Milford. Undertakers who report death certificates without the name of a physician: S. J. Wilson, Milton; Dr. C. Adams, near Smithsville; W. H. Hudson, Frankford. George W. Hatfield, of Georgetown, disregards the law, and makes no returns, so says the recorder. I called at the public school here; Roman Tammany, Principal. He reported that no action had been taken towards vaccinating the 225 pupils attending the public school.

GEORGETOWN JAIL.

I found 15 inmates confined, 9 white and 6 colored, all males. The cells were in a fair condition; there are no urinals in the cells and the prisoners are provided with wooden buckets, which are supposed to be emptied every day on a manure pile in the yard and covered with earth. I found several of these buckets in a place called an outhouse with one urinal, but it was broken and stopped up, the buckets were full and the stench was sickening; this place is not more than forty feet from the jail and the sheriff's dwelling; a drain on the upper side of the yard was stopped up and the kitchen dish water is thrown here, but can't escape, it was foul. I called the attention of the sheriff to these nuisances. The drinking water received from the pump in the yard

is not good, it is a drive well 75 feet deep; the sheriff's wife complained of this water.

SUSSEX COUNTY ALMSHOUSE.

Here I met all the Trustees of the Poor. Before they commenced business I was invited to address them on the subject of vaccination as laid down in the laws of our State. I explained to them the authority, powers and duties of the State Board of Health, and the amendments to said laws up to the session of the General Assembly of 1891. I also read extracts of the laws of a number of States, and impressed upon their minds that the mission of the State Board of Health was to save life and prohibit the spread of disease. I answered all their questions and they expressed satisfaction.

E. B. FRAZER, Sec'y.

HEALTH IN DELAWARE.

REPORTS OF PHYSICIANS FOR THE MONTHS OF OCTOBER,
NOVEMBER, DECEMBER AND TO JANUARY 10, 1892.

NEW CASTLE COUNTY.

New Castle.—Dr. David Stewart.—Reports the general health very good. Cases, consumption, 2; pneumonia, 1; congestion of lungs, 4; bronchitis, acute, 3; diarrhœal diseases, 4; dysentery, 1; puerperal diseases, 2; measles, 1; typhoid fever, 4; scarlet fever, 5; malarial fever, 20; diphtheria, 8; croup, 2; la grippe, 50. I think I have treated at least as many more outside of the jail of la grippe. The above record does not include jail service.

Centreville.—Dr. Joseph H. Chandler.—Reports la grippe very prevalent; no deaths from it directly; one death from pneumonia and one from erysipelas following la grippe. Cases—Pneumonia, 3; bronchitis, acute, many; whooping cough, 2; scarlet fever, 5; and diphtheria, 5.

Newark.—Dr. H. G. H. Kollock.—Reports aside from the prevailing epidemic, la grippe, the general health of the community is good. Cases—Consumption, 1; pneumonia, 2; bronchitis, acute, 3.

Delaware City.—Dr. Frank Belville.—Reports the following cases: Consumption, 2; pneumonia, 3; congestion of lungs, 1; bronchitis, acute, 7; la grippe, 50. I place the number of cases of influenza at 50, dated prior to January 1.

Middletown.—Dr. W. F. Kennedy.—Reports the following cases: Pneumonia, 2; congestion of lungs, 6; bronchitis, acute, 30; dysentery, 5; whooping cough, 20; scarlet fever, 1; malarial fever, 100; diphtheria and croup, 15; la grippe, 100.

KENT COUNTY.

Smyrna.—Dr. Wm. Ashcraft.—Reports that la grippe has been very prevalent, not so many now. A few cases of pneumonia, congestion of the lungs, measles, malaria and whooping cough.

Leipsic.—Dr. W. K. Conoway.—Reports that the general health has been good until the present la grippe epidemic showed itself. Cases—Consumption, 2; pneumonia, 10; congestion of lungs, 3; bronchitis, acute, 15; diarrhoeal diseases, 4; dysentery, 6; typhoid fever, 2; scarlet fever, 3; malarial fever, 8; diphtheria, 2; croup 6; la grippe, 65;

SUSSEX COUNTY.

Milford.—Dr. G. W. Marshall.—Reports a great deal of la grippe complicated with a bastard pneumonia. Cases—Consumption, 3; pneumonia, 1; bronchitis, acute, 4; whooping cough, 3; typhoid fever, 4; scarlet fever, 5; diphtheria, 4; la grippe, 240.

Seaford.—Dr. W. F. Haines.—Reports the general health good except colds, etc. Cases—Consumption, 2; pneumonia, 1; bronchitis, acute, 10; puerperal diseases, 1; typhoid fever, 3; scarlet fever, 1; malarial fever, 4; croup, 1; la grippe, 23.

Lewes.—Dr. David L. Mustard.—Reports that the epidemic of influenza is prevailing extensively among the people. Cases—Abscess of lungs, 1; bronchitis, chronic, 1; Peritonitis, 1; valvular disease of the heart, 1; chronic cystitis, 1; unknown, 2.

Laurel.—Dr. J. A. Ellegood.—Reports that la grippe has been the prevailing cause of sickness for the last month, and its character has been more severe than during the two previous epidemics, especially the pul-

monary and nervous types. Nearly all the cases of pneumonia and bronchitis have been sequels to the influenza. The remarkable decadence of malarial fevers continues. Whereas our physicians were formerly kept busy attending malarial cases during autumn and early winter, it is the exception now to be called to a case. There is doubtless more cases than the records of physicians show, probably on account of the almost universal knowledge, and the use of self prescriptions of quinine, still the decline of the disease in the last five years has been remarkable. This report is for the past three months, and the typhoid cases occurred in the early part of that period. Cases—Consumption, 4; pneumonia, 15; congestion of lungs, 1; bronchitis, acute, 30; diarrhoeal diseases, 3; puerperal diseases, 3; typhoid fever, 5; malarial fever, 5; scarlet fever, 2; diphtheria, 1; croup, 2; la grippe, about 100.

Respectfully submitted,

E. B. FRAZER, Sec'y.

INSPECTION AT NEW CASTLE.

WILMINGTON, July 18, 1891.

*To the President and Members of the Board of Health
of the State of Delaware.*

GENTLEMEN:—The town proper is in fair condition. Annoyances from noisome pig pens, and overflowing privy wells are frequent. Diphtheria prevails to some extent. Vaccination is not attended to. One physician said many persons refused to allow their infant children to be vaccinated. The milk supply here is good. This was the opinion of all of the physicians. The drinking water is supplied from wells, and their reservoir pumped from Nun-Such Creek near the Christiana River. Diphtheria patients are isolated, and, after recovery or death, disinfectants are used and every precaution taken to destroy the germs of the disease.

I rode out to Dobbinsville with Dr. Stewart to view two stagnant ponds, or holes. One is situated between two rows of houses and is about 75 feet long by 20 feet wide. It contains much filth, and the kitchen waste from several houses. There is a drain from this pond but it is stopped up. The ground is flat at this point, very little fall towards the Delaware River, but sufficient fall to drain the land if properly constructed. There is another pond equally as bad at the end of the street near a row of dwellings. In conversation with Thomas Frazer, president of the city council, he said the owner of the land had been notified to abate these nuisances.

New Castle has no board of health; the city council acts as a health department and have been quite active. I interviewed Dr. John J. Black, Dr. David Stewart,

Dr. Tyabout and Dr. Kuntz, and president of city council, Thomas Frazer. The general health of the people is good.

NEW CASTLE JAIL

I found the jail building in good sanitary condition, no sickness among the inmates. Number of prisoners, 138. White, 76; colored, 62. I found in the jail-yard a pile of rubbish in one corner, upon examination it was garbage and other refuse. I learned that it was not promptly carted away, and might become noisome. I called the attention of this neglect to Dr. Stewart the jail physician. He said he was glad I did so, as he was not aware of this neglect, and will attend to it in the future. The food furnished the prisoners was clean and fresh, and plenty of it was given to them twice a day.

The public schools were closed till the fall opening. About July tenth a death in New Castle was published as typhoid fever being the cause of death. Dr. Black, the attending physician, said it was pleuro pneumonia and not typhoid fever. The streets and gutters were clean. A ditch along the railroad was not in good condition, and a small branch covered with bushes and weeds opposite the battery should be cleared up. I called on Editor White.

Respectfully submitted,

E. B. FRAZER, Secretary.

INSPECTIONS AT DELAWARE CITY.

September 11, 1891.

*To the President and Members of the Board of Health
of the State of Delaware.*

GENTLEMEN:—The dead end of the old canal locks which has annoyed the people for years has been filled up. This was accomplished by our board two years ago. Trees will be planted soon and in a short time it will be a cosey little park. The people are very much pleased with the improvement. I examined the public school building which is built of bricks and is a good building. I was in company of F. E. Gardner, the principal. There are three female teachers and 180 pupils. The cellar was dirty and musty, and the school rooms were not well cleaned. The out-houses were filthy and needed to be cleaned out. I found considerable dirt under the platform in the main school room. The principal said the janitor did as he pleased, and he pleased to neglect his work. I hunted up the secretary, J. T. Price, of the school directors and laid the defects before him. He promised to remedy them at once.

A canning factory for tomatoes was operated by Jas. E. Stansbury Sons & Co. It was clean inside, but they dumped the refuse in one corner of the yard in a mud hole, and there was quite a large pile of it. I asked if they were not going to remove it. They said no, as it would soon dry out, and that there had been no complaints. I called at several houses near by and asked if they were ever annoyed by stench from this cannery. They said yes, at times they were obliged to close their windows. I called at the school house again and asked the principal if they were annoyed by this cannery. He

said yes, at times very much so. As there is no board of health here, I laid the matter before the mayor, Eugene Reybold, who has done much good work since he took office. The town, as far as the streets and yards were concerned, was in good sanitary condition. Pigs here are a nuisance, and no doubt the mayor will make war on them soon.

I called on Dr. Bellville: he said the general health was good, the drinking water from drive wells is fair. The old wells are about 12 feet deep. Dr. Bellville said they had several cases of typhoid fever in the town, but they did not originate in the town, they were convalescing. I called on editor J. H. Dilworth who takes great interest in the affairs of the people.

Respectfully submitted,

E. B. FRAZER, Secretary.

May 5, 1892.

I found this town in an improved condition in its streets, drainage and general appearance. The drinking water is good, and the general health of the people better than for several years. The public school building is of bricks, two stories high: three class rooms on the first floor and three on the second floor. During the first of the year 1892, diphtheria prevailed to some extent, and several deaths occurred from it. Many pupils were obliged to remain away from school for several weeks. After the disease had disappeared, the board of education had the school building disinfected, and cleaned from cellar to the top. The ceilings have been painted a light green and the walls white. This improves the light very much. Potted flowers were kept in the windows. These improvements made the class rooms very inviting. The board of education acted wisely in this matter and are to be congratulated. Prof. Gardner reported 206 pupils enrolled, and all vaccinated. This was very gratifying indeed. Prof. Gardner and his three lady assistants have, by their energy and in-

terest, brought the public school of Delaware City to an eminence of which the people may well be proud. Polk-town over the canal has a population of some one hundred colored people. I found the place in good condition and the people contented. Dr. F. Dunlap, vaccine physician, reported that he had vaccinated 42 colored, and 50 white adults and minors, and all were successfully performed. Dr. F. Bellville reported that he vaccinated 104 adults and minors, of which 23 were colored pupils attending the colored school. These physicians were designated by the trustees of the poor of New Castle County to vaccinate the indigent of Red Lion hundred; the great majority vaccinated were able to pay. Dr. Bellville also vaccinated the pupils at the Roman Catholic school near this town. Mayor Eugene Reybold takes that interest in the advancement of the town that is commendable. He has an able and untiring assistant in the person of James H. Dilworth, editor of the *Delaware News*. Although there is a large number of fish caught here every day by some 75 or 100 boats, and most of them shipped to New York and Baltimore, I found the wharfs very clear.

Respectfully submitted,

E. B. FRAZER, Sec'y.

THE QUESTION OF A PURE WATER SUPPLY.

PAPER READ BY DR. DAVID L. MUSTARD,
MAY 26, 1891.

The question of a pure water supply for our cities, towns and homesteads is admittedly a subject of the greatest consideration and importance, and is at the same time greatly neglected, especially in the location and surroundings of our individual homes. This partly arises from ignorance and partly from a want of consideration.

During the glacial period geologists tell us that the peninsula was submerged, and the waters laden with the detritus as they overflowed the submerged earth left the various deposits until the accumulations formed the solid land, the topmost layer being of the gravelly or loamy character which characterizes the lower part of our state and on down the peninsula. Underneath this gravelly deposit is a marshy formation.

Is it not probable that the surface now constituting Delaware and part of the eastern shore of Maryland was in remote times an expanse of water; but by causes of nature became the dumping ground of the two great bays, the Chesapeake and Delaware, at that time one expanse of flood, and so by gradual deposition became land? The one feature of the soil is its porosity, and in which lies the hidden danger of the wells, the "dug wells" of which those of Abraham's time are the first of record.

The erroneous idea of the great filtrating quality of the soil (now exploded) led many to suppose that a short space of earth between the well and sinks, privies,

pounds and all the other cesspools of corruption was an effectual strainer or purifier from all impurities and germs of disease that might be cast on the surface of the soil if not actually thrown around the well.

The ordinary well of the forefathers was generally placed at the most inconvenient place on the premises, and digging down from fifteen to twenty feet the springs would be reached it might be upon a bed of fine white sand, while just beneath would be a stratum of tenaceous blue marsh mud. Having reached this point the sudden onflow of water would prevent further progress, the curb was settled and the well completed. While the purity and taste of the water might not bear inspection, still the family from long continued use would declare that, with all its impurities, their well was the best in the neighborhood.

Naturally in communities and around habitations long settled, the varied accumulated deposits from all sources after a time saturate the soil, and by the action of the rainfall and from the peculiar character of the soil, permeate far and wide and find entrance into our water supplies, and impregnate them with poisonous germs. It is singular in how many ways our drinking water is contaminated. And yet it is most remarkable, and perhaps unaccountable, when we observe the wells in some communities where every character, almost, of refuse is thrown in close proximity, to observe the long continued exemption from serious ailments. Possibly it may be suggested as a theory that the direction of the drainage of the underlaying strata of the earth may lead away from the well in some cases.

It has been held that the percolation of impure water through twenty-five or thirty feet of earth is sufficient to purify it; but should this be the case in a newly located homestead it would not be long from the character of our soil and the careless habit of depositing the general refuse on the surface about, that the earth would soon absorb much of the impurities. One other factor often overlooked is, that a well acts as a suction or tunnel, drawing in the surface water and drainage

for a considerable distance ; and if, as has been suggested, that a well will drain an area of surface equal to its depth and possibly more, it must follow that the contents of all contiguous receptacles are liable to be drawn towards the well.

It is not necessary in the limits of this paper to enter into a discussion of the character and classification of drinking waters, or the various impurities, or the many ailments that are produced by the use of impure water ; but rather to point out the means by which we of the peninsula may obtain a pure water supply.

The driven well was introduced among us about fifteen years ago, and is now in general use in our community, and also is being used largely in the towns and villages of the country. The tube in use at the present time is an improvement on the first pipe, which was of iron, in being galvanized and armed with a perforated point of peculiar construction. The water springs are reached at a distance varying with the configuration of the subsoil, generally at a depth of thirty to seventy feet pure water is obtained. After the pipe has been settled at the minimum or maximum distance named, a sand pump is applied which removes all the sand or mud that may have been forced into the tube, and at the same time draws up the loose sand around and about the point, thus creating a reservoir which is unfailing. The next step after clearing up the tube is to ascertain if the water is free from the taste of iron, and as to its softness. If the qualities are not satisfactory the pipe is driven deeper until a point is reached where the water is free from foreign taste and hardness. These wells can be driven in any desired place and by connections can be made to supply any part of our dwellings with water, and by the attachment of the windmill water can be conveyed to any part of the farm at pleasure. The general characters of good water are perfect clearness, freedom from taste or odor, coolness and good aeration and softness.

What is the remedy against water contamination, and how can we protect ourselves and obtain pure

healthy water of the qualities above enumerated? The answer is, the driven well gives us immunity and affords a health-giving drink. The health of Lewes has improved greatly within the past twelve years, and I am strongly impressed that the introduction of the driven well has been the important factor. The town is of remote settlement, and with the usual concomitants of villages without sanitary restraint where pig pens, stables, privies, sinks and countless other sources of disease breeding deposits have been in vogue, the soil must naturally, in a measure, be filled with impurities.

We believe much of the malaria of the peninsula has depended and depends upon the water supply; for, as has been intimated, underlaying the gravelly soil some fifteen to twenty feet is a stratum of marsh mud through which the water must pass in supplying the "dug well" springs. Of course, this water is ladened often with vegetable organic matter. The air from marshes is a well known cause of our intermittent and remittent fevers; and if we can trace the cause of other diseases through the agency of water, it would seem that to the marsh water which supplies the wells of the peninsula to a large extent may logically be attributed as a prolific source of malaria.

The driven well from the fact that it passes through this substratum and reaches a point where the water is free from the impurities and dangers of the ordinary well is a strong argument for its general use. The complaint made against these wells that they give the water a taste of iron is not well founded as that is the result of their location on a spring from iron ore, or from a want of care in exhausting all the water standing in the tube.

I feel quite confident that the driven well has been the agent in abating malarial fevers in those sections where introduce, and also believe that if the statistics of the localities where they are in use could be compared with the statistics for the same number of years in which the ordinary wells were in vogue, I believe we could see the line of demarcation very distinctly pointing in favor of the driven well.

VACCINATION FOR THE PREVENTION OF SMALL POX.

PAPER BY DR. ROBERT G. ELLEGOOD, OF CON-
CORD, DELAWARE.

Vaccination for the prevention of small pox is the subject of which I shall speak to you gentlemen in furtherance of our desire to secure your favorable consideration to sanitary enactments and a liberal appropriation to render such enactments effectual through the instrumentality of the State Board of Health.

A brief history of small pox as far as it is known, and a feeble account of its ravages may not be inappropriate. It seems to have existed in the earliest ages of the human race of which there is record. The first details concerning small pox are derived from certain Chinese records, according to which it appears that this disease was known in China upwards of 2000 years ago. It was also known at a very early period in India; and is believed to have been introduced into Europe in the second century by a Roman army returning from Asia.

The first distinct reference to small pox in medical literature occurs in the writings of Galen in the second century. In the ninth century Rhazes, an Arabian physician, described it accurately, and from that time to the period of Jeuner's discovery it elicited the most anxious inquiries and thoughtful productions of all medical authors; and yet during that long period of time it continued relentless and remorseless to decimate the populace of our country or another. Few of this day can have just conception of the terrible destruction

and high death rate suffered in the visitations of this frightful scourge prior to the time when vaccination so beneficently came to the rescue of the human race at a time when nearly every large and beautiful city of the earth was made in turn a charnel-house of destruction, and almost every face bore the marks of its despoiling finger.

France lost annually 30,000 of its population and Europe combined 400,000 to 500,000 each year. In 1520 it carried off over three and a half millions of Mexican people. Being introduced in the Sandwich Islands, it at once destroyed eight per cent. of the entire populace. In some of the eastern countries nearly every one bore the evidence of its disfigurement; and even as late as 1873 to 1876 in the presidencies of Bombay and Calcutta 700,000 out of a population of 40,000,000 were swept out of existence. A historian of England writing of small pox in his own country says, "The small pox is always present, filling the churchyards with corpses, leaving on those whose lives it spares the hideous traces of its power; turning babe into a changling at which the mother shudders, and making the eyes and cheeks of the betrothed maiden objects of horror to her lover."

It is not necessary to recall to memory the history of its visitation to this fair land; for it is too familiar to you all that our own country has not escaped its frightful presence; nor is it to be wondered that those more sorely scourged by its presence than we, should turn with horror from the ghastly approach of the vengful foe which seeks and takes alike its victims from the royal palace and the humblest home, and which, of whatever life it spares, leaves it the object of horror and loathsomeness.

While the contagion of some other diseases is communicable only from the breath or excrementitious discharges, small pox is so not only from these, but from every pore of the skin is given off the death dealing messenger. It is so heavy as to attach itself to the clothing, the clothing of others, the furniture and fixtures; even the hair of domestic animals will retain

and become the vehicles of its transportation ; and yet so light that it may be wafted on the wings of the softest zephyr. From these scenes of horror and desolation there seemed no source of relief or alleviation except in flight or suicide till the last quarter of the seventeenth century when it became generally understood in Europe that the inoculation of variolous, or small pox matter, into healthy individuals rendered an attack of the disease, which though it run through the various stages, less virulent than when contracted in the usual way. It appears that some oriental peoples had, from very early times, known and to some extent practiced it, but their knowledge of it, owing to lack of communication and commercial intercourse with the rest of the world, was kept among themselves. 1717 when the attention of the English public was called to it by Lady Montague the wife of an English Ambassador at Constantinople, who, in a somewhat famous letter dated April 1 of that year in which, after describing what she termed the process of engrafting as performed in Turkey, she expressed the fear that the physicians of England might not be patriotic and virtuous enough to bring the invention into fashion lest it might destroy a considerable branch of their revenue. It is sufficient to say, however, that the practice soon became popular ; but the occurrence of several deaths in prominent families brought it into disrepute, and for twenty years little inoculation was done in England. About the middle of the eighteenth century it was revived with most encouraging success. The records of an Inoculation Hospital founded in London show that only 3 in 1000 died, whereas the mortality in unmodified small pox was 30 to 40 per cent. Small pox contracted in this way though much mitigated would reproduce to others not protected the most virulent form of the disease. While by inoculation small pox was stripped of much of its terror, the discovery of vaccination soon drove it out of use both in Europe and America. It is now little practiced anywhere, and in England it is prohibited by law.

There is some proof that dairymen in some parts of Europe had knowledge of the disease known as cow pox,

and that the milkers whose abraded or cracked hands became inoculated by it became exempt from small pox. But to Edward Jenner, an English country physician, was reserved the privilege and honor of bringing this boon to humanity to a practical demonstration, and of proving conclusively the protective power of cow pox against small pox. He had for twenty years studied the subject, patiently awaiting an opportunity to put his theory to the test of experiment. There were difficulties to encounter in the shape of a superstitious belief among the plebeians that those inoculated with cow pox would be metamorphosed into horned beasts. On the 14th of May, 1796, he made his first experiment on a boy, and six weeks later inoculated him with small pox matter without producing small pox. Two years after this he published a pamphlet in which he detailed his observations and experiments. This publication created a great sensation and like nearly all other great discoveries met hostile opposition; but the subject soon gained many adherents and vaccination, as it is termed, soon spread to all civilized nations of the world, greatly restricting the ravages of small pox.

It is not claimed that vaccination, however carefully and successfully performed, confers immunity from small pox for life in all. In a large majority, however, it does afford absolute protection for a time. Such cases are as well protected as natural or inoculated small pox had been experienced. In occasional cases the protection is only partial. The susceptibility to small pox is not destroyed, but the disease if caught will be greatly modified, constituting what is called varioloid, the mortality of which is comparatively small.

At certain times and places under favorable conditions for the prevalence of epidemic small pox, a considerable number of vaccinated persons may become affected with varioloid. And here it may be proper to say that instances are not infrequent where small pox occurs the second and even the third time in the same individual. The following statistics will show that

there is not better protection afforded by small pox than by vaccination: Of 5774 boys admitted into the Royal Asylum at Chelsea, England, in 48 years, 1950 had had the small pox, 3824 either had marks of vaccination or were vaccinated at once. Of the former over 6 per 1000 and of the latter 7 per 1000 had the small pox during their subsequent residence in the asylum. Before the introduction of vaccination the mortality of England's population was 3000 per year to the million. After that time it was reduced to 310 per year to the million.

During the small pox epidemic of London in 1863 over 50,000 school children were vaccinated. Of every thousand without evidence of vaccination 360 had scars of small pox, while of every thousand presenting evidence of vaccination only one and seventy-hundredths had any traces of small pox. Statistics are abundant to prove the power of vaccination to prevent small pox, but the short space allotted to me will not permit their recitation. That vaccination does afford absolute protection against small pox for a time no one at this day will deny. That period is reckoned at from five to twelve years.

Those vaccinated in infancy should be vaccinated at puberty, and it may not be amiss, indeed it is advisable that those liable to be exposed to small pox contagion should be vaccinated once in five years. The law of Prussia is that every child shall be vaccinated within the first year of its life, and that every pupil in a public or private school shall be vaccinated in the year in which the 12th birthday occurs. While to many, doubtless to a majority, it affords perfect immunity from small pox for life, the exceptions are sufficiently numerous to render revaccination prudent as a rule. With such a rule enforced small pox would be stamped out of existence.

The period of incubation of small pox is from 10 to 15 days, whereas that of vaccination is 3 or 4 days. Hence one having been exposed to small pox may, by prompt vaccination, avoid all danger of an attack of it, even at

5 or 7 days (if susceptible to small pox) to have it very greatly mitigated. The physician therefore who does not protect his patient exposed to the contagion of small pox is at least guilty of criminal neglect.

I have thus briefly and imperfectly recited the history of small pox, of inoculation and of vaccination. I have endeavored to afford a glimpse of the desolation of the first, the mitigating influences of the second and the eradicating power of the last ; and I feel that there is now imposed on me another duty for which I trust I may be pardoned if I attempt to discharge.

It is an accepted truth that "Public Health is Public Wealth." Political economists agree that the average value of a healthy man at twenty years of age to the state is \$1000. In the year of 1880 to 1884 small pox existed epidemically in our own city of Wilmington. During that time there were 731 cases, and 217 deaths. The loss to the State in the loss of her citizens was \$217,000. It was estimated by the best authority to be had that the loss the city sustained in the stagnation of her business by reason of the epidemic was more than \$200,000. The pecuniary loss to the families or friends of 731 small pox cases including burial expenses of those who died together with medical attendance, medicine, nurses' fees, necessaries and lost time of the afflicted could not have been less than \$100 each, equals \$73,100, making a total sum of \$490,100 loss to the State and her people from a cause that was clearly and unquestionably preventable.

The question arises, who is responsible for this unnecessary and appalling sacrifice of life and treasure? Is there not some power in the lawgiving department of our State government to avert a repetition of a like calamity! None will be found to deny that in every way disease is more expensive than anything else; or that the prudent expenditure of money by the individual or the State is the wisest and best way of averting it. There is a moral consideration in all this, and apart from all other considerations, it appeals to all who have

the care and government of others. There is also the consideration of self interest and financial economy which is not to be ignored.

In the same ratio that the head of a family is interested in the health of each member of his household, so is he to whom is appointed the command of an army or the government of a state interested if not by paternal affection by the moral sense of official obligation to avert as far as possible the pains of disease in those over whom he has been placed. Nor is he free from the binding obligation of official duty to administer such laws to his people as will be not only promotive of their health, but of their individual and collective financial prosperity and the contentment and happiness of his governed which a good sanitary condition and financial comfort always assures.

By the co-operation of state boards of health only can the blessings of sanitary medicine or legislation be successfully diffused among the masses. The State Board of Health of this State has endeavored to discharge a conscientious duty in this direction, but without law which could be executed or means afforded by the State to enable them to carry out this gratuitous labor of love they have been hampered in their efforts to institute systems of sanitary reform which would have been gratifying to their ambition and beneficial to the State and her people.

A comparison of deaths from small pox in the State of Michigan for the five years preceding the organization of the State Board of Health, being 1869 to 1873, with the eleven years next after its organization, shows a decrease in the ravages of this malady which has resulted in the saving of 2403 lives out of the comparatively small population of that State. It is estimated

that fully 300,000 people of this nation annually die from preventable causes and mostly from contagious diseases. How then can philanthropy be better directed, or money more beneficially expended than in

staying this unnecessary and inexcusable slaughter? The support of the government and the execution of her laws are by the labor and sweat of the governed. Is there any expenditure of money thus afforded which can be more wise and economical to the State or just to the people than that appropriated to the preservation of the health and comfort of those who contribute it? And has not this fact too long escaped the notice of those who have directed disbursements from the public treasury?

PREVAILING DISEASES IN TOWNS.

*To the President and Members of the Board of Health
of the State of Delaware.*

NEW CASTLE COUNTY.

Glasgow.—Dr. Wm. T. Skinner.—Consumption, 1; pneumonia, 1; diarrhœal disease, 1; erysipelas, 1; typhoid fever, 4; bronchitis, acute, several mild cases. No deaths except one from typhoid fever sent to the alms house. Sore throat prevails to some extent among children.

New Castle.—Dr. David Stewart, Jr.—Bronchitis, acute, 6; diarrhœal diseases, 3; dysentery, 1; puerperal diseases, 3; typhoid fever, 23; malarial fever, 43; diphtheria, 15; croup, acute, inflammatory, 8.

Townsend.—Dr. T. A. Enos.—Consumption, 1; whooping-cough, 8; la grippe, 8. The general health is good.

Centreville.—Dr. Joseph H. Chandler.—Consumption, 1; pneumonia, 2; bronchitis, acute, 3; whooping-cough, 10; typhoid fever, 18; scarlet fever, 6; malarial fever, 8; diphtheria, 11; croup, 2. No deaths have occurred in this vicinity from any acute diseases during the past six months, all chronic. The general health is about the average.

Odessa.—Dr. W. V. Woods.—Pneumonia, 5; bronchitis, acute, 20; scarlet fever, 12; erysipelas, 1. The general health is good. Have had 12 cases of scarlet fever in the past two weeks all very mild.

KENT COUNTY.

Dover.—Dr. W. F. Davis.—Consumption, 7; pneumonia, 16; congestion of lungs, 6; bronchitis, acute, 22; diarrhœal diseases, 4; dysentery, 2; whooping-cough, 2; typhoid fever, 2; malarial fever, 18; diphtheria, 12. The diphtheria cases were all in the country except 2. The health of our town is fairly good.

Leipsic.—Dr. W. K. Conaway.—Consumption, 1; pneumonia, 2; bronchitis, acute, 6; diarrhœal diseases, 2; typhoid fever, 1; croup, 2. The general health of this community for December was fair only. We have had several well marked cases of la grippe. Mortality for the month low, but two deaths occurring, one from consumption the other typhoid.

Camden.—Dr. L. S. Conwell.—Consumption, 2; pneumonia, 1; congestion of lungs, 1; bronchitis, acute, 12; diarrhœal diseases, 4; malarial fever, 2; diphtheria, 6; croup, 3; chicken pox, 3; tetanus, 1. Diphtheria and bronchial affections have been the prevailing diseases during the past month.

Frederica.—Dr. P. T. Carlisle.—Consumption, 2; pneumonia, 1; bronchitis, acute, 6; scarlet fever, 1; croup, 3; rheumatism, 2. This community is in a healthy condition just now. Bronchitis, acute, predominates.

SUSSEX COUNTY.

Georgetown.—Dr. Layton.—Pneumonia, catarrhal, 3; bronchitis, acute, 2; diarrhœal diseases, 3. Some light cases of croup. Health of locality good. No prevailing sickness except catarrhal colds; these are trifling.

Lewes.—Dr. David L. Mustard.—Consumption, 1; typhoid fever, 1; scarlet fever, 5; meningitis, 1; general debility, 2. The general health of this locality is good, with the exception of the epidemic of scarlet fever now prevailing and influenza.

MILTON, DEL., January 1, 1891.

MR. E. B. FRAZER.—*My Dear Sir*:—Yours of yesterday is at hand, and in answer to your inquiries will say, first, there are no persons or families that are distressed by the loss of their homes, there was no dwelling burned; but the business block northwest of the Hotel Ponder was burned to the ground, consisting of Fox & Son, general merchandise, S. J. Wilson, furniture and undertaking, Burton & Parker, general merchandise, Willey & Virden, butchers and grocers, postoffice building and a shoe shop with several back buildings, sheds, etc., with a slight damage to three dwellings belonging to Wm. Fox, S. J. Wilson and Mrs. Magee. No one hurt or in want of assistance. Loss from twenty to thirty thousand partly covered by insurance. The health of our people is fairly well and good; no epidemic. Wishing you a happy New Year, I remain,

Yours truly,

JAMES A. HOPKINS.

LAUREL, DEL., February 26, 1891.

E. B. FRAZER, Secretary of State Board of Health.

Dear Sir:—Sometime in January last a letter from you directed to Dr. Robert Ellegood at Laurel was delivered to me; but supposing it was intended for my father, who lives at Concord, and who is a member of the Board of Health, forwarded it to him. Subsequently he delivered it to me stating that he thought you wanted a report from this community, and I therefore take it upon myself to respond to your request. The health of this community until the outbreak of influenza was fair. There had been a few cases of diphtheria, and rotheln, or German measles. Pneumonia has been rather more prevalent than usual, and there has been a wonderful lessening of malarial fevers. Indeed, cases of intermittent or remittent fever have been rare in this county for a year. I desire to call your attention to the

non observance of the act to provide for the vaccination of children in the free schools. When the act was passed in 1883 most of the pupils had vaccination performed, but since that time the act (at least in this community, and I believe in this county) has been violated. I have never known of section 2 of the act being carried out. As there seems to be no penalty attached, I don't see how the act can be enforced. Another thing I would speak of is the non registration of midwives, and their almost universal failure to report cases of childbirth. Our statistics can never be complete without such reports, as I believe at least one-fifth of the childbirths in this county are in charge of midwives. Their neglect to abide by the law is, I believe, due to their ignorance of the law. We have not now any active town board of health. Although one was appointed about a year ago I understand that it has held no meetings.

Very truly yours,

J. A. ELLEGOOD.

RECAPITULATION.

HEALTH REPORTS OF TOWNS TO FEBRUARY, 1891.

| DISEASES. | ...Glasgow | ...New Castle | ...Townsend | ...Centreville | ...Odessa | ...Dover | ...Leipsic | ...Camden | ...Frederica | ...Georgetown | ...Lewes. | ...Total. |
|-------------------------|------------|---------------|-------------|----------------|-----------|----------|------------|-----------|--------------|---------------|-----------|-----------|
| Consumption..... | 1 | 0 | 1 | 1 | 0 | 7 | 1 | 2 | 2 | 0 | 1 | 16 |
| Pneumonia..... | 1 | 0 | 0 | 2 | 5 | 16 | 2 | 1 | 1 | 3 | 0 | 31 |
| Congestion of Lungs. | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 7 |
| Bronchitis, acute..... | 2 | 6 | 0 | 3 | 20 | 22 | 6 | 12 | 6 | 2 | 0 | 79 |
| Diarrhoeal diseases.... | 1 | 3 | 0 | 0 | 0 | 4 | 2 | 4 | 0 | 3 | 0 | 17 |
| Dysentery..... | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| Puerperal diseases..... | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Whooping-Cough..... | 0 | 0 | 8 | 10 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 20 |
| Typhoid fever..... | 4 | 23 | 0 | 18 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 49 |
| Scarlet fever..... | 0 | 0 | 0 | 6 | 12 | 0 | 0 | 0 | 1 | 0 | 5 | 24 |
| Malarial fever..... | 0 | 43 | 0 | 8 | 0 | 18 | 0 | 2 | 0 | 0 | 0 | 71 |
| Diphtheria..... | 0 | 15 | 0 | 11 | 0 | 12 | 0 | 6 | 0 | 0 | 0 | 44 |
| Croup..... | 0 | 8 | 0 | 2 | 0 | 0 | 2 | 3 | 3 | 0 | 0 | 18 |
| Erysipelas..... | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| La grippe..... | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Rheumatism..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Chicken pox..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| Tetanus..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Meningitis..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| General debility..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Total..... | 10 | 102 | 17 | 61 | 38 | 91 | 14 | 35 | 15 | 8 | 10 | 401 |

PREVAILING DISEASES IN TOWNS.

*To the President and Members of the Board of Health
of the State of Delaware.*

NEW CASTLE COUNTY.

New Castle.—Dr. David Stewart, Jr.—Consumption, 1; pneumonia, 2; bronchitis, acute, 12; dysentery, 3; measles, 4; whooping-cough, 2; typhoid fever, 2; malarial fever, 31; diphtheria, 2; croup, acute inflammatory, 3; mumps, parotiditis, 2. Have had about 100 cases of la grippe. Health of the people good on the whole, but for prevalence of the epidemic of influenza. Just now threatened with an epidemic of measles.

Centerville.—Dr. Joseph Chandler.—Pneumonia, 10; congestion of lungs, 1; bronchitis, acute, 21; diarrhœal diseases, 2; whooping-cough, 15; typhoid fever, 16; scarlet fever, 7; diphtheria, 3. Have an unusual amount of typhoid along the brandywine for the season. Had an unusual amount of catarrhal diseases during the winter, but no fatal cases. But one died from typhoid and it was complicated with Bright's disease.

KENT COUNTY.

Leipsic.—Dr. W. K. Conaway.—Consumption, 1; pneumonia, 10; bronchitis, acute, 13; diarrhœal diseases, 4; whooping-cough, 2; typhoid fever, 2; malarial, 8; croup, 4. La grippe in a modified form has been very prevalent. The general health of the town and community is fair.

Frederica.—Dr. P. T. Carlisle.—Consumption, 2; pneumonia, 12; co-gestion of lungs, 1; bronchitis, acute, 30; diarrhœal diseases, 1; puerperal diseases, 1;

typhoid fever, 21; scarlet fever, 1; malarial fever, 5. Scattering cases of rheumatism and la grippe at present time. Health of the community very good.

Milford.—Dr. Geo. W. Marshall.—Consumption, 2; congestion of lungs, 2; bronchitis, acute, 4; diarrhœal diseases, 1; la grippe, 20. A fair epidemic of mild influenzal la grippe accompanied with nervous prostration but not fatal; only one death, aged 91 years.

SUSSEX COUNTY.

Georgetown.—Dr. C. R. Layton.—Consumption, 1; pneumonia, 2; bronchitis, acute, 8; measles, 12; la grippe, 14. La grippe and specific catarrhal diseases prevail.

Seaford.—Dr. W. F. Haines.—Consumption, 6; pneumonia, 4; bronchitis, acute, 2; typhoid fever, 6; malarial fever, 10; croup, 4. The general health in this community is good.

Lewes.—Dr. D. L. Mustard.—Consumption, 1; pneumonia, 2; bronchitis, acute, 1; diabetes, 2; general debility, 2. The general health at present is good.

Laurel.—Dr. J. A. Ellegood.—Consumption, 5; pneumonia, 20; congestion of lungs, 1; bronchitis, acute, 5; diarrhœal diseases, 2; dysentery, 3; measles, 5; scarlet fever, 2; malarial fever, 2; diphtheria, 1; influenza, over 100. These statistics represent the new cases in my own practice during the last month. The general health of this community has been below the average, pneumonia and la grippe having been epidemic.

Respectfully submitted,

E. B. FRAZER, Secretary.

RECAPITULATION.

HEALTH REPORTS OF TOWNS TO APRIL, 1891.

| CASES REPORTED. | ...New Castle | ...Centreville | ...Leipsic | ...Frederica | ...Milford | ...Georgetown | ...Seaford | ...Lewes. | ...Laurel | ...Total. |
|-------------------------|------------------|----------------|------------|--------------|------------|---------------|------------|-----------|-----------|-----------|
| Consumption..... | 1 | 0 | 1 | 2 | 2 | 1 | 6 | 1 | 5 | 19 |
| Pneumonia..... | 2 | 10 | 10 | 12 | 0 | 2 | 4 | 2 | 20 | 62 |
| Congestion of Lungs. | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 6 |
| Bronchitis, acute..... | 12 | 21 | 13 | 30 | 4 | 8 | 2 | 0 | 5 | 95 |
| Diarrhoeal diseases.... | 0 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 2 | 10 |
| Dysentery..... | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 |
| Puerperal diseases.... | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Whooping-Cough..... | 2 | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| Typhoid fever..... | 2 | 16 | 2 | 2 | 0 | 0 | 6 | 0 | 0 | 28 |
| Scarlet fever..... | 0 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 10 |
| Malarial fever..... | 31 | 0 | 8 | 5 | 0 | 0 | 10 | 0 | 2 | 56 |
| Diphtheria. | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| Croup..... | 3 | 0 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 11 |
| La grippe..... | 100 | 0 | 0 | | 20 | 14 | 0 | 0 | 100 | 234 |
| General debility..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Mumps..... | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Measles..... | 4 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 5 | 21 |
| Diabetes..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Total..... | 164 | 75 | 44 | 55 | 29 | 37 | 32 | 8 | 146 | 590 |

RESUSCITATION OF THE DROWNED.

BY L. P. BUSH, M. D.

WILMINGTON, DEL., June 3, 1890.

At the last meeting of the Delaware State Board of Health the duty was assigned to me of preparing a paper, for circulation throughout the State, on the "Resuscitation of the Drowned." The geographical structure of our State is such that a knowledge of the best means known for the recovery of drowned persons is a matter of the first importance.

A large part of the State borders upon the Delaware river and bay; and it is everywhere permeated by rivers and creeks, and studded with lakes and ponds. In many places the inhabitants, from the earliest childhood, are accustomed to boating, fishing and swimming, and these become almost as natural as their occupations on shore. Hence arises the danger of drowning while engaged in any of the above aquatic pursuits. The ability to swim is a great, though not a certain, protection from death when thrown into the water: for there are times when, from the violence of the waves, no human power can avail to keep from exhaustion and strangulation. It has, therefore, been thought to be expedient and salutary to record and circulate what are the means now considered the most available for the recovery of those thus unfortunate.

Many of the plans used for the recovery of the drowned have been ill-directed, or ill-timed, if not entirely useless, or worse than useless, as leading to the loss of valuable time; such as rolling the person on a barrel or hanging the patient up by the feet, stripping

the body, and rubbing the hands and feet and trunk; some of which are good in a degree, but only partially, and not to be depended upon alone.

The following instructions by Doctor Beech, of Michigan, are plain and easily practiced:

THE TWO THINGS TO BE DONE: { RESTORE BREATHING:
RESTORE ANIMAL HEAT.

RULE 1. Loosen all neck and waist-bands quickly—by unbuttoning or cutting them.

RULE 2. Turn the patient on the face, with head down hill, if possible.

RULE 3. Stand astride the hips, with your face towards his head, and locking your fingers together under his belly, raise the body as high as you can without lifting the forehead from the ground, and give the body



a smart jerk to remove mucus from the throat and water from the wind-pipe, holding the body long enough to count slowly *one-two-three-four-five*, repeating the jerk gently two or three times.

RULE 4. Next, with patient and operator in same position, grasp the clothing at the points of the should-

ers, or if the body is naked, thrust your fingers into the armpits, and, clasping thumbs over the points of the

Fig. 2



shoulders, *raise the chest as high as you can* without lifting the forehead from the ground, and hold it long enough to slowly count *one—two—three*.

RULE 5. Replace the patient on the ground, with his

Fig. 3.



forehead resting on his arm or anything to support it from the ground, straighten out the neck, and free the mouth and nose; then place your elbows against your

knees, and your hands upon the sides of his chest, *over the lower ribs, and press downward and inward with increasing force*, long enough to count slowly—*one two*. Then suddenly let go, grasp the shoulders as before, and raise the chest; then press upon the ribs as before; again raise the chest, and repeat these alternate movements in the same order ten or fifteen times a minute for an hour at least, unless breathing is restored sooner.

RULE 6. After breathing has commenced (or before, if convenient), cover the body with warm blankets—TO RESTORE THE ANIMAL HEAT, also use bottles of hot water, or hot bricks, to the extremities. *Warm the head nearly as fast as the body, lest convulsions come on.* Rubbing and slapping the fleshy parts assist in restoring heat.

RULE 7. *When the patient can readily swallow*, give sparingly hot coffee, tea, milk, or a little spirits and water. If the power of swallowing return very slowly, two table-spoonsful of spirits in two or three table-spoonsful of warm water may be injected into the bowels and held there by pressure.

RULE 8. *As soon as strength will permit*, place the patient in a warm bed, give plenty of *fresh air* and keep him *quiet*. In all the treatment, keep *away the crowd*.

If the above means fail, galvanism may be tried by currents passed through the diaphragm, or lower part of the chest.

Beware of losing a moment of time. Cover the lower half of the body, and apply heat, if you can, by assistants; but don't stop to remove clothing, or to take the body away from the shore. If the patient can be brought to gasp, or breathe, there is hope. This is the great point to be obtained.

Don't turn the patient on his back unless there is some one to hold forward the tongue, as strangulation may be caused by the tongue falling into the throat.

Don't be discouraged too soon. Well authenticated cases are on record of persons who have been under water for an hour or more having been restored; and persons have recovered after the continuance of efforts for resuscitation for two hours. Doubtless many persons have been allowed to die for want of proper or long-continued efforts for their recovery, the attendants becoming fatigued or discouraged after a trial of fifteen or twenty minutes.

In suffocation by smoke or any poisonous gas, or by hanging, proceed the same as for drowning; omitting the effort to expel water, etc., from the windpipe.

In suspended breathing from effects of chloroform, hydrate of chloral, etc., proceed as in Rule 3, taking pains to keep the head low, and the tongue drawn forward.

These rules are purposely drawn up in a plain manner, and embody what is believed to be the best means known for the resuscitation of the drowned. They can be carried out by one person, if help cannot be had by calling; but no delay should take place before help comes. No attempt is made to explain the physiology of the processes here recommended; they are believed to be founded on sound principles and conformable to physiological laws.

They are taken chiefly from the report of the State Board of Health of Michigan for 1874.

The plates which accompany this paper, which were obtained through the kindness of Dr. Henry B. Baker, Secretary of the State Board of Health of Michigan, were not intended to ornament it, but to impress more forcibly upon the reader the positions to be assumed by the operator in the successive stages of the process of resuscitation.

L. P. BUSH, M. D.

LICENSED PHYSICIANS.

NEW CASTLE COUNTY.

NAME, RESIDENCE, DATE OF GRADUATION, AND NAME OF
THE COLLEGE.

- Bullock, Wm. R., Wilmington, April 3d, 1847, University of Pennsylvania.
- Bradford, Thos. B., Wilmington, May 1st, 1884, University of Pennsylvania.
- Corse, Wm. H., Wilmington, March 12th, 1872, University of Pennsylvania.
- Cooper, Smith, Wilmington, March 4th, 1876, University of Pennsylvania.
- Crumbaugh, J. W., Wilmington, March 15th, 1870, University of Pennsylvania.
- Carson, A. D., Wilmington, May 1st, 1886, University of Pennsylvania.
- Chandler, Swithian, Wilmington, March 6th, 1892, University of Pennsylvania.
- Harlan, Caleb, Wilmington, March 26th, 1836, University of Pennsylvania.
- Draper, James A., Wilmington, 1860, University of Pennsylvania.
- Jakes, O. Russell, Wilmington, March, 1882, University of Pennsylvania.
- Mackey, David, Wilmington, 1888, University of Pennsylvania.
- Palmer, John, Wilmington, March 15, 1882, University of Pennsylvania.
- Patterson, Henry, Wilmington, March 15th, 1879, University of Pennsylvania.

- Powell, James B. R., Wilmington, March 15th, 1878, University of Pennsylvania.
- Pyle, J. P., Wilmington, April, 1883, University of Pennsylvania.
- Pierce, Wm. C., Wilmington, March 20th, 1884, University of Pennsylvania.
- Shortlidge, Evan G., Wilmington, March 14th, 1868, University of Pennsylvania.
- Springer, Willard, Wilmington, March 12th, 1874, University of Pennsylvania.
- Steineckin, Geo. A., Wilmington, May, 1890, University of Pennsylvania.
- Wales, John P., Wilmington, March, 1852, University of Pennsylvania.
- Wallace, Charles H., Wilmington, March 1st, 1886, University of Pennsylvania.
- Winner, Wm. G., Wilmington, May 1st, 1884, University of Pennsylvania.
- Blockson, J. T. V., Wilmington, March 13th, 1871, Jefferson Medical College, Philadelphia, Pa.
- Brown, Thomas A., Wilmington, March 12th, 1873, Jefferson Medical College, Philadelphia, Pa.
- Cantwell, Geo. H., Wilmington, March 3d, 1883, Jefferson Medical College, Philadelphia, Pa.
- Derrickson, Willard P., Wilmington, April 15th, 1891, Jefferson Medical College, Philadelphia, Pa.
- Frazer, Edward C., Wilmington, April 28th, 1887, Jefferson Medical College, Philadelphia, Pa.
- Ogle, Howard, Wilmington, 1869, Jefferson Medical College, Philadelphia, Pa.
- Frist, Harry M., Wilmington, March 30th, 1889, Jefferson Medical College, Philadelphia, Pa.
- Hughes, M. J., Wilmington, April, 1883, Jefferson Medical College, Philadelphia, Pa.
- Harris, Albert B., Wilmington, March, 1888, Jefferson Medical College, Philadelphia, Pa.
- Harris, F. P., Wilmington, April 27th, 1892, Jefferson Medical College, Philadelphia, Pa.

- Lowber, Alex., Wilmington, March, 1882, Jefferson Medical College, Philadelphia, Pa.
- Leahy, Michael M., Wilmington, April, 1883, Jefferson Medical College, Philadelphia, Pa.
- Maull, D. W., Wilmington, 1853, Jefferson Medical College, Philadelphia, Pa.
- Mann, Geo. W., Wilmington, 1882, Jefferson Medical College, Philadelphia, Pa.
- Morgan, James H., Wilmington, 1889, Jefferson Medical College, Philadelphia, Pa.
- Munson, H. G., Wilmington, April 27th, 1892, Jefferson Medical College, Philadelphia, Pa.
- Quinby, Watson F., Wilmington, 1847, Jefferson College, Philadelphia, Pa.
- Stubbs, Henry J., Wilmington, March 12, 1868, Jefferson Medical College, Philadelphia, Pa.
- Stewart, F. E., Wilmington, March, 1879, Jefferson Medical College, Philadelphia, Pa.
- Spruance, Henry R., Wilmington, April 27th, 1892, Jefferson Medical College, Philadelphia, Pa.
- Tomlinson, Peter W., Wilmington, March 12th, 1878, Jefferson Medical College, Philadelphia, Pa.
- Walker, James, Wilmington, April 27th, 1892, Jefferson Medical College, Philadelphia, Pa.
- Flinn, Lewis W., Wilmington, March, 1882, Jefferson College, Philadelphia, Pa.
- Allmond, Charles M., Wilmington, April 4th, 1889, Hahnemann, Pa.
- Curtis, J. M., Wilmington, March 3d, 1869, Hahnemann, Philadelphia, Pa.
- Devon, I. L., Wilmington, March 20th, 1872, Hahnemann, Philadelphia, Pa.
- Doane, Geo. M., Wilmington, April 2d, 1890, Hahnemann, Philadelphia, Pa.
- Frantz, A. E., Wilmington, March, 1882, Hahnemann, Philadelphia, Pa.
- Gardner, Richard, Wilmington, March 9th, 1870, Hahnemann, Philadelphia, Pa.

- Reile, J. Harmer, Wilmington, March 10th, 1879, Hahnemann, Philadelphia, Pa.
- Kittinger, L. A., Wilmington, March 15th, 1881, Hahnemann, Philadelphia, Pa.
- Kennedy, W. F., Wilmington, March 10th, 1873, Hahnemann, Philadelphia, Pa.
- Kittinger, L., Wilmington, March, 1863, Hahnemann, Philadelphia, Pa.
- Kulney, Geo. M., Wilmington, April 7th, 1887, Hahnemann, Philadelphia, Pa.
- Lukens, J. Paul, Wilmington, March 11th, 1878, Hahnemann, Philadelphia, Pa.
- Lawton, C. H., Wilmington, March, 1872, Hahnemann, Philadelphia, Pa.
- Cooper, Peter, Wilmington, March 10th, 1881, Hahnemann, Philadelphia, Pa.
- Mullin, John W., Wilmington, 1886, Hahnemann, Philadelphia, Pa.
- Negendank, E. T., Wilmington, April 7th, 1887, Hahnemann, Philadelphia, Pa.
- Preison, Frank E., Wilmington, April 7th, 1891, Hahnemann, Philadelphia, Pa.
- Sherwood, W. E., Wilmington, April 7th, 1891, Hahnemann, Philadelphia, Pa.
- Truitt, W. J., Wilmington, February 21st, 1889, Hahnemann, Philadelphia, Pa.
- Bliss, Oliver, Wilmington, September 26th, 1876, American Eclectic.
- Burr, Wm. H., Wilmington, March 14th, 1884, University of Maryland.
- Baird, Chas. E., Wilmington, March 15th, 1886, College of Physicians and Surgeons of Baltimore, Md.
- Barlow, D. G., Wilmington, June, 1889, Boston University, S. M.
- Cameron, John, Wilmington, March 29th, 1860, Hygeio Therapeutice, N. Y.
- Corkran, Willard F., Wilmington, March 4th, 1884, University of Maryland.

- Elbert, S. C., Wilmington, April 15th, 1890, Howard Medical College, D. C.
- Green, C., Wilmington, March, 1880, College of Physicians and Surgeons, N. Y.
- Howard, Enos E., Wilmington, December 18th, 1890, University of Virginia.
- Isenschmid, Paul, Wilmington, March, 1872, American University of Philadelphia, Pa.
- Lippincott, J., Wilmington, June 7th, 1881, Eclectic Medical College.
- Lemmer, John C., Wilmington, March, 1885, University of Maryland.
- Lukens, Joseph H., Wilmington, June 28th, 1875, Eclectic Medical College of N. Y. City.
- Lonysore, Anna M., Wilmington, April 29th, 1892, Womans Medical College, Pa.
- Mabie, A. D., Wilmington, March 8th, 1887, University of New York.
- McKay, Read J., Wilmington, February, 1867, Bellevue Hospital Medical College.
- Negendank, A., Wilmington, March, 1854, Philadelphia College of Medicine.
- Naudian, C. B., Wilmington, July 25th, 1856, Philadelphia College of Medicine.
- Osborne, Wm., Wilmington, February 26th, 1853, Philadelphia College of Medicine.
- Ritchie, F. G., Wilmington, March 16th, 1882, New York Howard College, New York City.
- Simms, John H., Wilmington, February 22d, 1854, Eclectic Medical College of Pennsylvania.
- Speck, J. Frank, Wilmington, March, 1860, University of New York.
- Stewart, Henry C., Wilmington, April 15th, 1891, Howard University, Washington, D. C.
- Thompson, Hannah M., March 15th, 1883, Womans Medical College of Philadelphia.
- Welch, J. B., Wilmington, June 2d, 1870, Eclectic College of Pennsylvania.

- White, Josephine M. R., Wilmington, March, 1878, Womans Medical College of Pennsylvania.
- Boughman, Geo. W., Stanton, March 10th, 1863, Jefferson College of Pennsylvania.
- Bellville, Frank, Delaware City, April 21st, 1875, University of Pennsylvania.
- Black, John J., New Castle, March, 1862, University of Pennsylvania.
- Ball, L. Heisler, Stanton, May 1st, 1884, University of Pennsylvania.
- Booth, Matthew A., New Port, 1860, Winchester, Pa.
- Butler, John B., Newark, March, 1877, University of Maryland.
- Barnes, H. D., Summit Bridge, April 8th, 1889, University of Maryland.
- Chamberlain, G. G., Middletown, March 12th, 1872, University of Pennsylvania.
- Chandler, Joseph H., Centreville, March 12th, 1860, Jefferson College of Pennsylvania.
- Calver, Wm., Booths Corner, Delaware Co., Pa., June 28th, 1864, Philadelphia College.
- Cardeza, John M., Claymont, March 12th, University of Pennsylvania.
- Coates, L. P., Summit Bridge, May 1st, 1886, University of Pennsylvania.
- Constable, Charles B., Middletown, March, 1883, Hahnemann, Philadelphia, Pa.
- Dunlap, Francis S., Delaware City, March 20th, 1861, University of Pennsylvania.
- DeWitt, John W., St. Georges, March 10th, 1863, Jefferson College of Pennsylvania.
- Day, T. Harvey, Rockland, May 1st, 1885, University of Pennsylvania.
- Enos, Thos. A., Townsend, March 12th, 1879, Jefferson College of Pennsylvania.
- Evans, Henry D., Newark, March 15th, 1881, University of Philadelphia, Pa.

- Ellison, L. Frank, Summit Bridge, 1866, Jefferson College of Pennsylvania.
- Flinn, Irvine M., New Port, April 2d, 1883, Jefferson College of Pennsylvania.
- Greenleaf, R. P., Henry Clay P. O., March, 1855, Medical Department of Pennsylvania College, Philadelphia.
- Hamilton, W. N., Odessa, March, 1836, Jefferson College of Pennsylvania.
- Henry, Columbus, Newark, March 14th, 1871, University of Pennsylvania.
- Jones, Arthur E., Newark, March, 1884, Jefferson College of Pennsylvania.
- Jacobs, W. H., Delaware City, March, 1889, Hahne-mann, Pa.
- Kollock, H. G. M., Newark, March, 9th 1882, Jefferson College of Pennsylvania.
- Kuntz, W. H., New Castle, February 21st, 1888, Chicago Homœopathic College.
- Mitchel, Taylor, Hockessin, 1866, Jefferson College of Pennsylvania.
- McKee, R. B., Middletown, March, 1859, Pennsylvania Medical College.
- Nowland, E. F., Middletown, March, 1852, University of Maryland.
- Peters, B. B., Christiana, March 29th, 1885, Jefferson College of Pennsylvania.
- Richardson, James, St. Georges, April 2d, Jefferson College of Pennsylvania.
- Stewart, David, New Castle, March 12th, 1872, University of Pennsylvania.
- Skinner, Wm. T., Glasgow, March 1st, 1870, University of Maryland.
- Springer, Francis L., Christiana, March 22d, 1877, University of Pennsylvania.
- Tybout, R. Raymond, New Castle, March 1st, 1887, University of Pennsylvania.

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|---|-----|
| Vallandigham, Irving S., Middletown, March, 1869, University of Pennsylvania, | |
| City of Wilmington,..... | 90 |
| In the County, outside of Wilmington,..... | 39 |
| | — |
| Total in the County,..... | 129 |
| Physicians in the City, December, 1890,..... | 82 |
| Physicians in the City, December, 1892,..... | 90 |
| Increase, 8. | |
| Physicians in the County, same period, 1890,..... | 35 |
| Physicians in the County, same period, 1892,..... | 39 |
| Increase, 4. | |
| Increase in the whole County, 12. | |

KENT COUNTY.

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| Wilson, James H., Dover, March 14th, 1867, University of Pennsylvania. | |
| Dawson, Ezekiel, Frederica, April 4th, 1853, University of Pennsylvania. | |
| Pratt, Nathan, Milford, March 15th, 1860, University of Pennsylvania. | |
| Cooper, Ezekiel W., Camden, March, 1860, University of Pennsylvania. | |
| Downs, P. S., Dover, March 15th, 1878, University of Pennsylvania. | |
| Bishop, Lemuel A. H., Dover, March 12th, 1875, University of Pennsylvania. | |
| Frame, Thomas C., Dover, March 14th, 1866, University of Pennsylvania. | |
| Ashcraft, William, Smyrna, March 24th, 1846, University of Pennsylvania. | |
| Lewis, Beniah L., Harrington, March 13th, 1873, University of Pennsylvania. | |
| Cooper, Wm. H., Kenton, March, 1864, University of Pennsylvania. | |

- Kemp, John A., Harrington, March 15th, 1881, University of Pennsylvania.
- Clifton, J. W., Smyrna, March 12th, 1875, University of Pennsylvania.
- McCanoland, James R., May 10th, 1886, University of Pennsylvania.
- Carlisle, Paris T., Frederica, May 2nd, 1887, University of Pennsylvania.
- Whiteley, Albert, Frederica, March 5th, 1839, Jefferson College, Philadelphia, Pa.
- Whiteley, Benjamin, Frederica, March 9th, 1867, Jefferson College, Philadelphia, Pa.
- Marshall, William, Milford, March 25th, 1847, Jefferson College, Philadelphia, Pa.
- Marshall, George W., Milford, March 11th, 1876, Jefferson College, Philadelphia, Pa.
- Cahall, Thomas V., Frederica, March 11th, 1874, Jefferson College, Philadelphia, Pa.
- Harmanson, Charles G., Clayton, March 1st, 1884, Jefferson College, Philadelphia, Pa.
- Luff, Jefferson Moore, Felton, March 12th, 1881, Jefferson College, Philadelphia, Pa.
- Davis, Wm. F., Dover, March 12th, 1876, Jefferson College, Philadelphia, Pa.
- Conwell, Luther S., Camden, March 29th, 1884, Jefferson College, Philadelphia, Pa.
- Johnson, Charles H., March 29th, 1884, Jefferson College, Philadelphia, Pa.
- Vaughan, Horace, April 4th, 1888, Jefferson College, Philadelphia, Pa.
- German, H. W., April 2nd, 1885, Jefferson College, Philadelphia, Pa.
- Conway, W. K., Leipsic, April 2d, 1890, Jefferson College, Philadelphia, Pa.
- Pleasanton, George W., Milford, April 7th, 1887, Hahnemann.
- Hoey, Wm. F., Frederica, February 21st, 1889, Hahnemann.

- Smith, John M., Cheswold, March 10th, 1880. Hahnemann.
- Sweney, Curtis O., Smyrna, March 13th, 1878. Hahnemann.
- Moore, Thomas C., Smyrna, April 2d, 1884, Hahnemann.
- Frame, Benj. G., Kenton, March 10th, 1882. Hahnemann.
- Clements, Thomas O., Dover, 1880. Hahnemann.
- Anderson, Edwin S., Dover, March 1st, 1866. Homeopathic of Pa.
- Day, Asbury M., Farmington, December 24th, 1860, Albany, N. Y.
- Downes, John M., Hazletville, March 10th, 1865, University of Medicine and Surgery, Philadelphia, Pa.
- West, James D. Harrington, January 24th, 1865. Eclectic College of Medicine, Philadelphia, Pa.
- Owens, Fred. J., Harrington, continual practice in this State before July 19th, 1883.
- Barber, Robert T. J., Farmington, March 15th, 1886. Physicians and Surgeons, Baltimore.
- Collins, Robert, Milford, continuous practice in this State, eight years.
- Dwight, Edward S., Smyrna, June 29th, 1876. Yale.
- Nickerson, H. A., Magnolia, August 15th, 1890, National University.
- Townesley, Wm. H., March 28th, 1888, Tulane University of Louisiana.
- O'Day, Edward Frank, April 1st, 1891. University of Maryland.
- Hubbard, Thomas D., Bowers' Beach, March, 1854, Pennsylvania.
- Wilkinson, John M., Willow Grove, eight years continuous practice in this State.
- Massey, James T., Canterbury, eight years continuous practice in this State.
- Brown, Emanuel J., Wyoming, March 1st, 1884, University, New York City.
- Chapman, Lorenza Bliss, Dover, 1883, Long Island College Hospital.

SUSSEX COUNTY.

- Layton, Caleb Rodney., Georgetown, March 1876, University of Pennsylvania.
- Hitch, William J., Laurel, March 1858, University of Pennsylvania.
- Richards, Charles H., Georgetown, April 1851, University of Pennsylvania.
- Hall, David., Lewes, March 1852, University of Pennsylvania.
- Burton, H. R., Lewes, March 13th, 1868, University of Pennsylvania.
- Palmer, David D., Bridgeville, March 1867, University of Pennsylvania.
- Gum, Francis M., Frankford, March 1871, University of Pennsylvania.
- Johns, Joseph N., Seaford, March 1879, University of Pennsylvania.
- Marsh, Joseph W., Lewes and Rehoboth, March 9th, 1861, Jefferson Medical College, Philadelphia.
- Frame, Joseph K., Millsboro, May 1st, 1888, University of Pennsylvania.
- Tam, John Louder, Gumboro, May 1st, 1888, University of Pennsylvania.
- Prettyman, John S. jr., Milford, May 1st, 1884, University of Pa.
- Robinson, Oliver D., Georgetown, May 1st, 1884, University of Pa.
- Orr, Wm. P., jr., Lewes, May 1st, 1884, University of Pa.
- Ellegood, Robert G., Concord, March, 1852, Penna. Medical College, Philadelphia.
- Ellegood, Robert, Delmar, April, 1886, Jefferson College, Philadelphia.
- Hopkins, Robert B., Milton, April 4th, 1887, Jefferson, Philadelphia.
- Jones, Wm. B., Millsboro, April 7th, 1887, Jefferson, Philadelphia.

- Haines, Wm. F., Seaford, April 4th, 1888, Jefferson Medical College, Phila.
- Hammond, John T., Berlin, Md., 1852, Jefferson, Phila.
- Knight, Robert B., Delmar, 1875, Jefferson Medical College, Phila.
- Holland, Ebe, Dagsboro, April 2d, 1890, Jefferson Medical, Phila.
- Wilson, Robert H. T., Milton, April 2d, 1886, Jefferson Medical, Phila.
- Gillespie, James S., Lincoln, March, 1885, Jefferson, Pa.
- Cahall, Lawrence M., Bridgeville, April 2d, 1886, Jefferson Medical College, Phila.
- Short, James W., Gumboro, March 3d, 1871, Jefferson Medical College, Phila.
- Wolfe, Wm. E., March, 1857, Jefferson Medical College, Philadelphia, Pa.
- Stevens, James A., Lincoln, March, 1882, Jefferson Medical College, Philadelphia, Pa.
- Fooks, John W., Millsborough, March, 1874, Jefferson Medical College, Philadelphia, Pa.
- Ellegood, Joshua A., Laurel, March, 1881, Jefferson Medical College, Philadelphia, Pa.
- Suddler, Wm. T., Bridgeville, March 10th, 1864, Jefferson Medical College, Philadelphia, Pa.
- Hopkins, James A., Milton, March 11, 1858, Jefferson Medical College, Philadelphia, Pa.
- Waples, Joseph B., Georgetown, March 5th, 1868, University of Maryland, Baltimore.
- Mustard, David L., Lewes, March 6th, 1858, Medical College, Philadelphia, Pa.
- Johnson, Henry C., Greenwood, January 29, 1856, Eclectic Medical College, Philadelphia, Pa.
- Collins, Lemuel H., Gumborough, July 1st, 1873, Washington University, Baltimore, Md.
- Fowler, Edward, Laurel, March 10th, 1858, University Maryland, Baltimore.
- Hitch, Thomas A., Frankford, July 19th, 1883, 12 years practice within the State of Delaware, Allopathy.

- McCabe, Edward H., Roxana, June 25th, 1874, Long Island College Hospital, N. Y., Allopathy.
- Dawson, John G., Milford, February, 1880, Hahnemann Medical College, Chicago.
- Pierce, John O., Milford, February, 1868, Phila. University of Medicine and Surgery, Philadelphia, Pa.
- McFaden, James P., Whitesville, July 27th, 1883, 32 years practice within the State, Eclectic.
- Prettyman, John S., Milford, March, 1850, Physopathic Medical College, Cincinnati, Ohio.
- Richardson, Barton B., Frankford, March 22d, 1887, University Maryland, Baltimore, Regular.
- Hitch, David M., Laurel, March 10th, 1887, Baltimore College of Dental Surgery, Baltimore.
- Holloway, Thomas A. J., Bishopville, Md., 1858, (Regular), Iowa University.
- Sanson, Francis E., Lincoln, March 5th, 1884, University of New York City, (Regular.)
- Jones, G. Frank, Gumboro, April 8th, 1889, University of Maryland, Baltimore, (Regular.)
- McColley, Daniel J., Georgetown, March 13th, 1889, Physicians and Surgeons, Baltimore.
- Hocker, Ulysses Washington, Millville, March 12th, 1891, Long Island College Hospital, Brooklyn, (Regular.)
- Shipley, E., Seaford, April 15th, 1891, College of Physicians and Surgeons, Baltimore.
- Shipley, Wm. J., Seaford, February 20, 1873, Washington University, Baltimore, Md.
- Knowles, Jacob, Seaford, February 23d, 1860, Eclectic Medical College of Philadelphia, Pa.
- Slemmons, Albert B., Delmar, 1855, University of Baltimore, Md., (Allopathy.)
- Littleton, James Curtis, Gumborough, March, 1883, University of Maryland, Baltimore, (Allopathy.)
- Ammerman, Charles W., Greenwood, February 21st, 1883, Cleveland Ohio Medical College, Cleveland, Ohio.
- Wright, Josephus A., Delmar, March 3d, 1881, University of Maryland, (Regular.)
- Farlow, Elisha H. F., Whitesville, March 24th, 1891, Baltimore University, Baltimore, Md.
- Martin, Hugh, Seaford, University of Baltimore, Md.

WATER SUPPLY IN DELAWARE.

Chapter 405, Vol. 12, Laws of Delaware.

“An Act to Define and Prevent Certain Nuisances:

“SECTION 1. That hereafter no person or persons shall cast, put, place, discharge in or permit or suffer to be cast, put, placed or discharged in, or to escape into any running stream of water within the limits of this State, from which stream the inhabitants of any borough, town or city within this State are supplied wholly or in part with water for and as a drink or beverage, any dyestuffs, drugs, chemicals or matter of any kind whatsoever and by any means whereof, the said water so supplied as and for a drink or a beverage as aforesaid, shall be made and become noxious to the health or disagreeable to the sense of smell or taste.

“SECTION 2. Every person offending against the provisions of the preceding section of this act shall be deemed guilty of committing a common nuisance, and upon conviction thereof, by indictment in the Court of General Sessions of the Peace and Jail Delivery, shall be fined from \$1,000 to \$5,000 at the discretion of the Court, and in addition to the fine aforesaid the Court shall issue an order for the abatement of the nuisance within twenty days after the verdict of the jury upon the indictment aforesaid, and the sheriff of either of the counties of this State in which said conviction shall take place shall under the order aforesaid, unless the said nuisance shall, before the expiration of the time allowed for the abatement of the said nuisance, have been abated, have full power to abate the same, and to this end shall enter on the premises from which the said nuisance proceed, and arrest, stop, and put an end to the

business from the carrying on of which or in the process of which the said nuisance was created or carried on, or premises from which the said nuisance proceeded and issued.

"SECTION 3. That no person hereafter shall put or place or permit to be put, placed or used, any privy, hog pen or slaughter house over or so near that the excrement or offal therefrom shall escape or run into any running stream of water within the limits of this State from which the inhabitants of any town, borough or city within the limits aforesaid are wholly or in part furnished with water as a drink or beverage, and anyone offending against the provisions of this section shall be deemed guilty of committing a common nuisance and upon conviction thereof in the Court aforesaid shall be fined the sum of \$100, and the Court shall order the nuisance abated immediately."

Passed at Dover, February 4th, 1864.

RESOLUTIONS OF RESPECT.

DR. ALBERT WHITELEY.

WHEREAS, By the death of Dr. Albert Whiteley, the Board of Health of the State of Delaware, has lost one more of its original members, he having been appointed by Gov. Hall in 1879, and reappointment continued until his death. And

WHEREAS, By his punctuality and faithfulness to the duties thereby imposed he has secured the respect and esteem of his co laborers, and added to a private life of high moral character and a social position of rare scope and influence, a crowning evidence of unselfish devotion to the relief of human suffering in this long gratuitous service to the State, it is therefore eminently fitting that we give this expression of our appreciation of his services:

Resolved, That while all who came in touch with this pure-minded man will realize the social and professional loss in his death, our's is special in that his quiet genial smile, his ever prompt and regular attendance upon all demands of our board, his wise and safe suggestion and advice were valuable to us in our efforts to promote the public health—his long experience in combatting disease and death had made him a firm supporter of sanitary and hygienic measures as reliable means to prevent the attack and spread of disease. The son of a physician, a graduate of Delaware College, and of Jefferson Medical College in 1839 equipped him fully for his life work. He succeeded Dr. Alexander Lowber at Frederica in 1840 and after more than 50 years of hard service dies without a spot on his character and universally beloved.

E. W. COOPER,
I. S. VALLANDIGHAM,
Committee of State Board of Health.

LIST OF BOOKS RECEIVED.

ADDITIONS TO THE LIBRARY SINCE THE LAST BIENNIAL

REPORT --THE SIXTH.

- Alabama*—State Board of Health, 1890.
California—State Board of Health, 1890.
Connecticut—State Board of Health, 1890-91.
Delaware—Wilmington City, 1890-91.
Florida—1890-91-92.
Illinois—1890-91, and Medical Colleges and practice.
Indiana—1890-91.
Iowa—1891.
Kansas—1891.
Maine—1890-91.
Maryland—1890-91.
Massachusetts—1890.
Michigan—1890-91.
Minnesota—1890-91.
Missouri—1888-89-90-91.
New Hampshire—1890-91; Commissioners' Report on Lunacy, 1890.
New Jersey—1890-91.
New York—1890-91.
North Carolina—1890-91.
Ohio—1890.
Pennsylvania—1890-91; Report of Fourth Sanitary State Convention, 1891.
Rhode Island—1890-91.
Texas—1890-91.
Vermont—State Board of Health, 1890-91.
West Virginia—State Board of Health, 1890.
 Canada's Monthly Reports.
 University of Nebraska Experimental Stations, the 5th.
 Marine Hospital Service, Washington, D. C., 1890-91.

Weekly Reports of the Surgeon General, Washington,
bound in cloth, 1890-91.

Boston, Mass., 1890-91.

Births, Marriages and Deaths, Rhode Island, 1890.

Local Boards of Health, New York, 1890.

Pennsylvania Licensed Physicians.

There is now in the Library one hundred reports bound in cloth and one hundred and thirty paper backs, making two hundred and thirty reports in the Library, all in good order.

JUST RECEIVED.

American Public Health Association Officers and Committees and revised List of Members of State Boards of Health.

Catalogue of Licensed Physicians, Florida, 1892

Sanitarian Monthly, Texas, 1892.

HEALTH REPORT OF DOVER.

DOVER, DEL., March 17, 1892

MR. E. B. FRAZER,—*Dear Sir*: Enclosed you will find a statement of the Mortuary Report from March 1st, 1891, to March 1st, 1892.

The latter half of the Annual Report is written instead of being printed, which would cause extra expense on the town; I have these blank sheets so concluded to utilize them.

There have been during the year quite a number of complaints made by a few of our citizens as to nuisances, and particularly noisome and offensive odors, which were at once investigated as to their cause and origin by our Board of Health or some members of it. The owner or occupant of the property and premises was notified of their requirements, which was in most instances complied with and the nuisance abated.

We had quite a number of typho-malarial fever cases during the months of July, August and September, but few resulting fatally. The La Grippe epidemic came upon us about the middle of December and continued till the middle of February. Since the first of January we have had five or six cases of Scarlet fever in a very mild form, and every precaution was taken to prevent its spread. I personally superintended the fumigation and complete disinfection of the Dover Public Schools, W. C. Academy, &c. The cases were at once isolated. The general health at the present writing is fairly good at this season of the year. We have in our town at present quite a number of pharyngeal and tonsillar affections of an infectious nature, but nothing to create serious apprehension. Any other information regarding the Local Board of Health that I possess which will be of any use to you I will gladly impart or communicate. Our Town Council

was re-elected the first Monday in this month. They will appoint the new members of the Board of Health now in a brief period. I think your visits through this community have caused the people to think more favorably and to attach some importance to the observation of hygienic measures and sanitary regulations for the benefit of the public health. Persons have to be educated to the proper consideration of such subjects, but we are advancing gradually and I admire you in your persistence in the matter.

Yours, very respectfully,

P. S. DOWNS.

BIRTHS, DEATHS AND MARRIAGES IN THE STATE OF DELAWARE,

For the Year Ending June 30th, 1891.

NEW CASTLE COUNTY.

| | Births | Deaths | Mar- riages |
|--------------------------------|--------|--------|----------------|
| First Quarter..... | 281 | 364 | 139 |
| Second Quarter..... | 395 | 413 | 174 |
| Third Quarter..... | 520 | 369 | 158 |
| Fourth Quarter..... | 344 | 302 | 153 |
| Total..... | 1540 | 1448 | 624 |
| Year ending June 30, 1890..... | 1800 | 1817 | 580 |

KENT COUNTY.

| | | | |
|--------------------------------|-----|-----|-----|
| First Quarter..... | 43 | 108 | 31 |
| Second Quarter..... | 51 | 85 | 56 |
| Third Quarter..... | 75 | 144 | 55 |
| Fourth Quarter..... | 9 | 94 | 34 |
| Total..... | 178 | 431 | 176 |
| Year ending June 30, 1890..... | 391 | 515 | 176 |

SUSSEX COUNTY.

| | | | |
|--------------------------------|-----|-----|-----|
| First Quarter..... | 73 | 119 | 18 |
| Second Quarter..... | 128 | 194 | 64 |
| Third Quarter..... | 99 | 192 | 120 |
| Fourth Quarter..... | 52 | 55 | 3 |
| Total..... | 352 | 560 | 205 |
| Year ending June 30, 1890..... | 411 | 540 | 260 |

MORTUARY REPORT FOR 1891 COMPARED WITH 1890.

RECAPITULATION.

| | Births | Deaths | Mar- riages |
|--------------------------------|--------|--------|----------------|
| New Castle County..... | 1510 | 1448 | 624 |
| Kent County..... | 198 | 431 | 176 |
| Sussex County..... | 352 | 569 | 205 |
| 1891 | <hr/> | <hr/> | <hr/> |
| Total..... | 2060 | 2448 | 1005 |
| Year ending June 30, 1890..... | 2602 | 2867 | 1016 |

ZYMOTIC DISEASES.

| | |
|------------------------|-----------|
| New Castle County..... | 279 |
| Kent County..... | 95 |
| Sussex County..... | 106 |
| Total..... | <hr/> 460 |

Year ending June 30, 1890.

| | Deaths |
|------------------------|-----------|
| New Castle County..... | 341 |
| Kent County..... | 129 |
| Sussex County..... | 113 |
| Decrease..... | 583 |
| | <hr/> 123 |

CONSUMPTION DEATHS.

| | Year end- ing June 30, 1891 | 1890 |
|------------------------|-----------------------------------|-----------|
| New Castle County..... | 164 | 239 |
| Kent County..... | 61 | 83 |
| Sussex County..... | 94 | 93 |
| Total..... | <hr/> 319 | <hr/> 415 |

HEALTH DEPARTMENT.

DOVER, DELAWARE.

MORTUARY REPORT FROM MARCH 1, TO SEPT. 1, 1891.

| CAUSE OF DEATH. | Total No. of Deaths | Sex. | | Color | | Age. | | | | | | | | | | | |
|-----------------------------|---------------------|-------|---------|--------|----------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|
| | | Male. | Female. | White. | Colored. | Under 1 year. | 1 to 5 years. | 10 to 15 years. | 15 to 20 years. | 20 to 30 years. | 30 to 40 years. | 40 to 50 years. | 50 to 60 years. | 60 to 70 years. | 70 to 80 years. | 80 to 90 years. | 90 to 100 yrs. |
| Septicæmia..... | 1 | | 1 | 1 | | | | | | | 1 | | | | | | |
| Marasmus..... | 3 | 2 | 1 | 2 | 1 | 3 | | | | | | | | | | | |
| Spinal Meningitis..... | 3 | 2 | 1 | 2 | 1 | 3 | | | | | | | | | | | |
| Result of Injury..... | 1 | 1 | 1 | | | | | | | | | | | | | | 1 |
| Gastritis..... | 2 | 2 | | 2 | | | | | | | | | | | 1 | 1 | |
| Renal Dropsy..... | 1 | | 1 | 1 | | | | | | | | | | 1 | | | |
| Old Age..... | 1 | | 1 | | 1 | | | | | | | | | | | 1 | |
| Syphilis..... | 1 | 1 | | | 1 | 1 | | | | | | | | | | | |
| Fibroid Tumor..... | 1 | | 1 | 1 | | | | | | | 1 | | | | | | |
| Meningitis..... | 1 | 1 | | 1 | | 1 | | | | | | | | | | | |
| Consumption, Pulmonary..... | 3 | 1 | 2 | 1 | 2 | | | 1 | | | 2 | | | | | | |
| Paralysis..... | 1 | | 1 | 1 | | | | | | | | | 2 | | | | |
| Railroad Accident..... | 2 | 1 | 1 | 2 | | | | | 1 | 1 | | | | | | | |
| Totals..... | 21 | 11 | 10 | 15 | 6 | 5 | 3 | | 1 | 1 | 2 | 3 | 3 | 1 | 2 | 1 | |

SUMMARY OF OFFICIAL DEATH REGISTER FROM MARCH 1, TO SEPT. 1, 1891.

| | | | |
|---------------------|----|--|---|
| Adults, Male..... | 4 | Number of bodies received for interment from elsewhere (outside of Dover limits) | |
| Adults, Female..... | 8 | | |
| Under 16 years..... | 9 | | 2 |
| Total..... | 21 | | |

1890—U. S. Census of Dover, Delaware, 3,080.

P. S. DOWNS,

Physician to Board of Health.

HEALTH DEPARTMENT.

DOVER, DELAWARE.

Mortuary Report from Sept. 1, 1891, to March 1, 1892.

| CAUSE OF DEATH. | Total No. of Deaths. | Sex, Color | | | | Age. | | | | | | | | | | | |
|----------------------------|----------------------|------------|---------|--------|----------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|
| | | Male. | Female. | White. | Colored. | Under 1 year. | 1 to 5 years. | 10 to 15 years. | 15 to 20 years. | 20 to 30 years. | 30 to 40 years. | 40 to 50 years. | 50 to 60 years. | 60 to 70 years. | 70 to 80 years. | 80 to 90 years. | 90 to 100 yrs. |
| Congestion of Lungs..... | 1 | | 1 | 1 | | | | | | | 1 | | | | | | |
| Heart Disease..... | 2 | 2 | | 1 | 1 | | | | | | | 1 | | | 1 | | |
| Uterine Cancer..... | 1 | | 1 | 1 | | | | | | | | 1 | | | | | |
| Bright's Disease..... | 1 | | 1 | | 1 | | | | | | | 1 | | | | | |
| Apoplexy .. | 2 | 1 | 1 | 2 | | | | | | | | | 1 | | | 1 | |
| Pneumonia..... | 5 | 3 | 2 | 3 | 2 | 1 | 1 | | | | | | | | 1 | 2 | |
| Scarlet Fever. | 1 | | 1 | | 1 | | | 1 | | | | | | | | | |
| Convulsions..... | 1 | | 1 | 1 | | | 1 | | | | | | | | | | |
| Gastritis..... | 1 | 1 | | 1 | | | | | | | | | | 1 | | | |
| Dropsy..... | 2 | | 2 | 1 | 1 | | | | | | | | 2 | | | | |
| Dysentery | 1 | 1 | | | 1 | | | | | | | | | 1 | | | |
| Typhoid Fever. | 2 | 1 | 1 | 2 | | | | | 1 | 1 | | | | | | | |
| Capillary Bronchitis..... | 3 | 2 | 1 | | 3 | 1 | 2 | | | | | | | | | | |
| Meningitis, Tubercular.... | 1 | | 1 | 1 | | | 1 | | | | | | | | | | |
| Carditis and Dropsy..... | 1 | | 1 | 1 | | | | 1 | | | | | | | | | |
| Consumption, Pulmonary. | 5 | 2 | 3 | 5 | | | | | | 1 | 4 | | | | | | |
| Cirrhosis..... | 1 | | 1 | 1 | | | | | | | | | | | 1 | | |
| Paralysis..... | 1 | 1 | | 1 | | | | | | | | | | | | 1 | |
| G. S. Wound | 1 | 1 | | | 1 | | | | | | | | | | 1 | | |
| Unknown | 2 | 1 | 1 | | 2 | 1 | | 1 | | | | | | | | | |
| Totals..... | 35 | 16 | 19 | 22 | 13 | 3 | 5 | 3 | 1 | 2 | 5 | 5 | 3 | 2 | 3 | 3 | |

Summary of Official Death Register from Sept 1, 1891, to March 1, 1892.

| | | | |
|---------------------|----|---|---|
| Adults, Male..... | 12 | Number of bodies received for interment from elsewhere (outside of Dover limits)..... | 7 |
| Adults, Female..... | 11 | | |
| Under 16 years..... | 12 | | |
| Total..... | 35 | | |

1890—U. S. Census of Dover, Delaware, 3,080.

P. S. DOWNS,

Physician to Board of Health.

COMPARITIVE TABLE FOR THE YEAR ENDING JUNE 30TH, 1891, AS
 COMPARED WITH 1890 AND 1889, OF MARRIAGES, BIRTHS
 AND DEATHS IN THE STATE.

| | Deaths. | Births. | Marriages. |
|----------------------------|---------|---------|------------|
| New Castle County..... | 1448 | 1540 | 624 |
| Kent County..... | 431 | 178 | 177 |
| Sussex County..... | 558 | 352 | 205 |
| | <hr/> | <hr/> | <hr/> |
| | 2437 | 2070 | 1006 |
| As compared with 1890..... | 2867 | 2602 | 1016 |
| As compared with 1889..... | 2328 | 1993 | 960 |

FOR THE YEAR ENDING JUNE 30TH, 1892.

| | Deaths. | Births. | Marriages. |
|------------------------|---------|---------|------------|
| New Castle County..... | 1950 | 1672 | 675 |
| Kent County..... | 453 | 219 | 164 |
| Sussex County..... | 410 | 333 | 197 |

| | | | |
|-------------------------|------|------|------|
| | 2813 | 2224 | 1036 |
| Compared with 1891..... | 2437 | 2070 | 1006 |

| | Under 1 Year. | From 1 to 5. |
|------------------------------|------------------|-----------------|
| New Castle County, 1891..... | 315 | 155 |
| Kent County, 1891..... | 78 | 44 |
| Sussex County, 1891..... | 91 | 56 |

| | | |
|------------------------|-----|-----|
| Total in the State ... | 484 | 255 |
|------------------------|-----|-----|

| | | |
|------------------------------|-----|-----|
| New Castle County, 1892..... | 495 | 235 |
| Kent County, 1892..... | 88 | 58 |
| Sussex County, 1892..... | 49 | 39 |

| | | |
|--------------------------|-----|-----|
| Total in the State | 632 | 332 |
|--------------------------|-----|-----|

TABLE SHOWING THE DEATHS IN NEW CASTLE COUNTY (outside of Wilmington) FOR THE QUARTER ENDING DECEMBER 31, 1891.

| | Consumption. | Heart Disease. | Disease of Brain. | Disease of Bowels. | Pneumonia. | Typhoid Fever. | Diphtheria, Group. | Scarlet Fever. | Old Age. | Accidents. | La Grippe. | All other diseases. | White. | Colored. | Male. | Female. | Total. |
|-------------------------------|--------------|----------------|-------------------|--------------------|------------|----------------|--------------------|----------------|----------|------------|------------|---------------------|--------|----------|-------|---------|--------|
| Brandywine Hundred..... | 16 | 9 | 10 | 11 | 4 | 11 | 6 | 5 | 10 | 37 | 58 | 22 | 64 | 66 | 130 | | |
| Christiana Hundred..... | | | | | | | | | | | | | | | | | |
| Mill Creek Hundred..... | | | | | | | | | | | | | | | | | |
| White Clay Creek Hundred..... | | | | | | | | | | | | | | | | | |
| Pencader Hundred..... | | | | | | | | | | | | | | | | | |
| Red Lion Hundred..... | | | | | | | | | | | | | | | | | |
| New Castle Hundred..... | | | | | | | | | | | | | | | | | |
| Appoquinimink Hundred..... | | | | | | | | | | | | | | | | | |
| St. Georges Hundred..... | | | | | | | | | | | | | | | | | |
| Blackbird Hundred..... | | | | | | | | | | | | | | | | | |
| Newark..... | | | | | | | | | | | | | | | | | |
| New Castle..... | | | | | | | | | | | | | | | | | |
| Delaware City..... | | | | | | | | | | | | | | | | | |
| Middletown..... | | | | | | | | | | | | | | | | | |
| Odesse..... | | | | | | | | | | | | | | | | | |
| Townsend..... | | | | | | | | | | | | | | | | | |
| Newport..... | | | | | | | | | | | | | | | | | |
| St. Georges..... | | | | | | | | | | | | | | | | | |
| | 16 | 9 | 10 | 11 | 4 | 11 | 6 | 5 | 10 | 37 | 58 | 22 | 64 | 66 | 130 | | |

TABLE SHOWING THE DEATHS IN KENT COUNTY FOR
THE QUARTER ENDING DECEMBER 31, 1890.

| | Typhoid Fever. | Diphtheria. | Dysentery. | Group. | Chorea Infantum | White. | Colored. | Male. | Female. | Under 1 year. | 1 to 5 years. | 5 to 10 years. | 10 to 20 years. | 20 to 30 years. | 30 to 40 years. | Over 40 years. | Total. |
|-------------------------------|----------------|-------------|------------|--------|-----------------|--------|----------|-------|---------|---------------|---------------|----------------|-----------------|-----------------|-----------------|----------------|--------|
| Dover..... | 1 | 1 | 0 | 0 | 4 | 5 | 1 | 3 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 6 |
| Milford..... | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Clayton..... | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Near Prices' Corner..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Smyma..... | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Near Vernon..... | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| St. Jones' Neck..... | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Milford Hundred..... | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Magnolia..... | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| North Murderkill Hundred..... | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| Near Smyma..... | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | 7 | 2 | 2 | 2 | 6 | 13 | 6 | 9 | 10 | 3 | 4 | 4 | 3 | 3 | 1 | 2 | 19 |

TABLE SHOWING THE DEATHS IN SUSSEX COUNTY FOR
THE QUARTER ENDING DECEMBER 31ST, 1890.

| | Typhoid Fever. | Diphtheria. | Cholera Infantum. | Dysentery. | Diarrhoea. | Pyæmia. | Rheumatism. | Group. | Alcoholism. | La Grippe. | White. | Colored. | Male. | Female. | Under 1 year. | 1 to 5 years. | 5 to 10 years. | 10 to 20 years. | 20 to 30 years. | 30 to 40 years. | Over 40 years. | Total. |
|--------------------------|----------------|-------------|-------------------|------------|------------|---------|-------------|--------|-------------|------------|--------|----------|-------|---------|---------------|---------------|----------------|-----------------|-----------------|-----------------|----------------|--------|
| Broad Creek Hundred..... | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Concord..... | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| Nanticoke Hundred..... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 |
| Millsboro..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| Georgetown..... | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 2 | 0 | 3 | 4 | 0 | 0 | 1 | 0 | 0 | 5 |
| Dagsborough..... | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 2 |
| Seaford..... | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 2 | 0 | 3 | 1 | 1 | 1 | 1 | 0 | 0 | 5 |
| Bursville..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Laurel..... | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| Milford..... | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 3 |
| Sussex County..... | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| Cedar Creek Hundred..... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 1 | 5 | 2 | 3 | 1 | 2 | 1 | 0 | 0 | 1 | 7 |
| Milton..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Slaughter Neck..... | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Whitesville..... | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Bridgeville..... | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 10 | 4 | 6 | 10 | 1 | 3 | 1 | 1 | 1 | 4 | 34 | 7 | 23 | 18 | 14 | 5 | 5 | 6 | 2 | 2 | 7 | 41 |

SPECIAL DISEASES IN THE STATE,

BY COUNTIES, FOR THE YEAR ENDING JUNE 30, 1891; THE DEATH
RATE IN THE 1000 INHABITANTS; AND THE PERCENTAGE
OF DEATHS ENUMERATED TO THE WHOLE NUMBER
OF DEATHS. POPULATION OF THE STATE
BY COUNTIES.

| | Consumption. | Pneumonia. | Typhoid Fever. | Diphtheria. | Cholera In- fantum. | Scarlet Fever. | Whooping Cough. | Croup. | La Grippe. | Heart Disease. | Total Zymotic Diseases. | Whole Number of Deaths. |
|----------------|--------------|------------|----------------|-------------|------------------------|----------------|--------------------|--------|------------|----------------|----------------------------|----------------------------|
| New Castle Co. | 164 | 88 | 78 | 23 | 38 | 14 | 15 | 21 | 7 | 115 | 256 | 1448 |
| Kent County... | 61 | 28 | 22 | 8 | 33 | 1 | 2 | 10 | 2 | 36 | 95 | 431 |
| Sussex County | 94 | 47 | 26 | 9 | 31 | 1 | 1 | 5 | 11 | 31 | 105 | 558 |
| Total..... | 319 | 163 | 126 | 40 | 102 | 16 | 18 | 36 | 20 | 182 | 456 | 2437 |

POPULATION.

| | |
|-------------------------|--------|
| New Castle County | 97,182 |
| Kent County..... | 32,664 |
| Sussex County..... | 38,647 |

State 168,493

DEATH RATE OF THE STATE, AND BY COUNTIES, 1891.

| | |
|--|-------|
| State of Delaware..... | 14.46 |
| New Castle County..... | 14.80 |
| Kent County..... | 13.19 |
| Sussex County..... | 14.43 |
| Percentage of deaths from Consumption to the whole number of deaths is..... | 13 08 |

PERCENTAGE OF DEATHS FROM ZYMOTIC DISEASES TO THE WHOLE NUMBER OF DEATHS IN THE STATE AND EACH COUNTY.

| | |
|------------------------|-------|
| State of Delaware..... | 18.70 |
| New Castle County..... | 17.70 |
| Kent County..... | 22.04 |
| Sussex County..... | 18.08 |

COMPARED WITH 1890.

| | |
|--|-------|
| State Zymotic Disases, 583. Percentage..... | 20.33 |
|--|-------|

SPECIAL DISEASES IN THE STATE,

BY COUNTIES, FOR THE YEAR ENDING JUNE 30, 1892; THE DEATH
RATE IN THE 1000 INHABITANTS; AND THE PERCENTAGE
OF DEATHS ENUMERATED TO THE WHOLE NUMBER
OF DEATHS. POPULATION OF THE STATE
BY COUNTIES.

| | Consumption. | Pneumonia. | Typhoid Fever. | Diphtheria. | Cholera In- fantum. | Scarlet Fever. | Whooping Cough. | Croup. | La Grippe. | Heart Disease. | Total Zymotic Diseases. | Whole Number of Deaths. |
|----------------|--------------|------------|----------------|-------------|------------------------|----------------|--------------------|--------|------------|----------------|----------------------------|----------------------------|
| New Castle Co. | 160 | 136 | 43 | 101 | 91 | 8 | 34 | 31 | 48 | 141 | 389 | 1950 |
| Kent County... | 51 | 31 | 16 | 13 | 22 | 3 | 21 | 15 | 10 | 21 | 103 | 453 |
| Sussex County | 81 | 41 | 15 | 12 | 15 | 3 | 4 | 14 | 24 | 14 | 82 | 410 |
| Compared | 295 | 208 | 74 | 126 | 128 | 14 | 59 | 60 | 82 | 176 | 574 | 2813 |
| with 1891.... | 319 | 163 | 126 | 40 | 102 | 16 | 18 | 36 | 20 | 182 | 456 | 2437 |

POPULATION.

| | |
|-------------------------|---------|
| New Castle County | 97,182 |
| Kent County..... | 32,664 |
| Sussex County..... | 38,647 |
| State | 168,493 |

DEATH RATE IN THE 1000 INHABITANTS.

| | |
|------------------------|-------|
| New Castle County..... | 20.06 |
| Kent County..... | 13.86 |
| Sussex County..... | 10.60 |
| State of Delaware..... | 16.66 |

PERCENTAGE OF DEATHS FROM ZYMOTIC DISEASES.

| | 1891. | 1890. |
|------------------------|-------|-------|
| New Castle County..... | 19.94 | 17.70 |
| Kent County..... | 21.60 | 22.04 |
| Sussex County..... | 20.00 | 18.08 |
| State of Delaware..... | 20.40 | 18.70 |

The city of Wilmington is included in New Castle county.

MORTUARY REPORT OF THE CITY OF WILMINGTON.

For the year ending June 30th, 1892

| | |
|-------------------------------------|-----|
| Alcoholism | 1 |
| Croup | 25 |
| Carbuncle | 0 |
| Cholera Morbus | 1 |
| Cholera Infantum | 68 |
| Cerebro Spinal Meningitis | 15 |
| Diarrhœa | 3 |
| Dysentery | 10 |
| Diphtheria | 84 |
| Erysipelas | 2 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura, H. | 2 |
| Puerperal Fever | 3 |
| Pyæmia | 0 |
| Remittent Fever | 2 |
| Rheumatism | 5 |
| Scarlet Fever | 3 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 1 |
| Septicæmia | 4 |
| Tonsilitis | 0 |
| Typhoid Fever | 25 |
| Whooping Cough | 24 |
| <hr/> | |
| Zymotic Diseases | 278 |
| <hr/> | |
| Typhoid Pneumonia | 4 |
| Peritonitis | 18 |

| | |
|-----------------------------------|------|
| Cancer | 21 |
| Consumption | 127 |
| Meningitis | 29 |
| Congestion of the Lungs | 17 |
| Scrofula | 2 |
| Bright's Disease | 23 |
| Bronchitis | 29 |
| Heart Disease | 89 |
| Pneumonia | 104 |
| Accidents | 46 |
| Accidents Drowned | 10 |
| Disease of the Brain | 92 |
| Disease of the Bowels | 59 |
| Convulsions | 54 |
| Cirrhosis of Liver | 9 |
| Dropsy | 11 |
| General Debility | 34 |
| Inanition | 59 |
| Laryngitis | 2 |
| Marasmus | 57 |
| Old Age | 25 |
| Paralysis | 48 |
| Suicide | 8 |
| Typho Malarial Fever | 5 |
| Strychnine Poisoning | 1 |
| Violence | 4 |
| Premature Birth | 14 |
| La Grippe | 23 |
| Child Birth | 1 |
| All other Diseases | 131 |
| Total Deaths | 1436 |

Population of Wilmington, Census 1890—61,431

DEATHS.

| | |
|-------------------|------|
| White | 1141 |
| Colored | 295 |
| Total | 1436 |

| | |
|---|-------|
| Death rate in the 1000 inhabitants (Annual) | 23.37 |
| Percentage of deaths from Zymotic diseases to the whole number of deaths | 19.35 |

BIRTHS REPORTED.

| | |
|---------------------------|------|
| White Males | 575 |
| White Females | 596 |
| Total | 1171 |
| Colored Males | 70 |
| Colored Females | 47 |
| Total | 117 |
| Total Births | 1288 |

STILL BORN.

| | |
|-------------------|----|
| White | 56 |
| Colored | 27 |
| Total | 83 |

ILLEGITIMATE.

| | |
|-------------------|----|
| White | 5 |
| Colored | 10 |
| Total | 15 |

| | |
|---------------------------------|------|
| Total deaths recorded | 1436 |
| Total births recorded | 1288 |

| | |
|---------------------------------------|-----|
| Deaths exceed the births by | 148 |
|---------------------------------------|-----|

MARRIAGES.

| | |
|-------------------|-----|
| White | 470 |
| Colored | 83 |
| Total | 553 |

| | |
|--------------------------------------|-----|
| Brought here for Interment | 121 |
| Sent away for Interment | 183 |
| Passed through City | 78 |

MONTHLY REPORT OF DEATHS.

| | White. | Colored. | Total |
|-------------------------|--------|----------|-------|
| 1891, July | 113 | 36 | 149 |
| “ August. | 109 | 32 | 141 |
| “ September | 102 | 26 | 128 |
| “ October | 75 | 16 | 91 |
| “ November. | 96 | 29 | 125 |
| “ December | 124 | 35 | 159 |
| 1892, January | 100 | 26 | 126 |
| “ February | 96 | 16 | 112 |
| “ March | 100 | 30 | 130 |
| “ April | 70 | 15 | 85 |
| “ May | 59 | 17 | 76 |
| “ June | 97 | 17 | 114 |
| Totals | 1154 | 295 | 1436 |

BOARD OF HEALTH OF THE CITY OF WILMINGTON.

Dr. E. G. Shortlidge, President.

Dr. A. E. Frantz.

Dr. Willard Springer, Port Physician.

J. H. Lewis, Business Manager.

Joseph Jenkins Plumber.

William C. R. Colquhoun, Registrar, Salary \$1100 per annum and fees.

The board employ two executive officers. This year they employed two additional officers for four months and made a house to house inspection. The Board meets every Tuesday evening and receive a salary of a \$100.00 each per annum. They license the odorless excavators; there are four at present. They give out the contracts for removing the garbage and the contractors are under their Supervision. The Board is appointed by the Mayor annually in May for one year, except the Port Physician who is appointed by the Governor. The jurisdiction of the board is one mile beyond the City limits.

Respectfully submitted

E. B. FRAZER, Secretary.

STATEMENT

Showing deaths for the year ending June 30th, 1891.

NEW CASTLE COUNTY.

Deaths for the quarter ending September 30th, 1890.

| | |
|-------------------------------------|----|
| Alcoholism | 0 |
| Croup | 0 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 25 |
| Cerebro Spinal Meningitis | 0 |
| Diarrhœa | 5 |
| Dysentery | 9 |
| Diphtheria | 7 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles | 1 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 2 |
| Remittent Fever | 0 |
| Rheumatism | 1 |
| Scarlet Fever | 2 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 2 |
| Tonsilitis | 0 |
| Typhoid Fever | 27 |
| Whooping Cough | 2 |
| Zymotic Diseases | 83 |

| | |
|-------------------------------------|-----|
| Cancer | 7 |
| Consumption | 49 |
| Meningitis | 10 |
| Congestion of the Lungs | 2 |
| La Grippe | 1 |
| Bright's Disease | 7 |
| Bronchitis | 4 |
| Heart Disease | 22 |
| Pneumonia | 13 |
| Accidents | 8 |
| Accidents on Railroads | 8 |
| Disease of the Brain | 20 |
| Disease of the Bowels | 44 |
| Old Age | 8 |
| Insanity | 1 |
| Peritonitis | 4 |
| Tetanus | 1 |
| Malarial Fever | 3 |
| Drowning | 1 |
| Scrofula | 1 |
| Strangulated Hernia | 1 |
| Premature Birth | 7 |
| All other Diseases | 59 |
| Total | 364 |
| White | 289 |
| Colored | 75 |
| Total | 364 |
| Males | 173 |
| Females | 191 |
| Total | 364 |
| Born in the United States | 312 |
| Foreign Born | 52 |
| Total | 364 |

AGES OF THE DECEDENTS.

| | |
|------------------------|-----|
| Under 1 year | 105 |
|------------------------|-----|

| | |
|--------------------------------|----|
| From 1 to 5 years | 38 |
| From 5 to 10 years | 16 |
| From 10 to 20 years | 22 |
| From 20 to 30 years | 15 |
| From 30 to 40 years | 47 |
| From 40 to 50 years | 25 |
| From 50 to 60 years | 26 |
| From 60 to 70 years | 25 |
| From 70 to 80 years | 17 |
| From 80 to 90 years | 14 |
| From 90 to 100 years | 4 |
| Age not stated | 10 |

BIRTHS.

| | |
|-------------------|-----|
| White | 263 |
| Colored | 18 |
| Total | 281 |
| Males | 144 |
| Females | 137 |
| Total | 281 |

MARRIAGES.

| | |
|--------------------------------------|-----|
| White | 122 |
| Colored | 17 |
| Total | 139 |
| Brought here for interment | 13 |
| Still Born | 18 |

Deaths for the quarter ending December 31st, 1890.

| | |
|----------------------------|----|
| Alcoholism | 0 |
| Croup | 12 |
| Carbuncle | 1 |
| Cholera Morbus | 0 |
| Cholera Infantum | 10 |

| | |
|-------------------------------------|----|
| Cerebro Spinal Meningitis | 3 |
| Diarrhœa | 0 |
| Dysentery | 3 |
| Diphtheria | 2 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 0 |
| Remittent Fever | 0 |
| Rheumatism | 3 |
| Scarlet Fever | 5 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 1 |
| Typhoid Fever | 25 |
| Whooping Cough | 5 |
| Total | 70 |
| Cancer | 8 |
| Consumption | 39 |
| Tuberculosis | 9 |
| Congestion of the Lungs | 2 |
| Meningitis | 14 |
| Bright's Disease | 16 |
| Bronchitis | 3 |
| Heart Disease | 32 |
| Pneumonia | 24 |
| Accidents | 18 |
| Accidents on Railroads | 2 |
| Disease of the Brain | 16 |
| Disease of the Bowels | 15 |
| Typhoid Pneumonia | 3 |
| Malaria | 2 |
| Drowning | 3 |
| Marasmus | 15 |
| Inanition | 12 |
| Dropsy | 6 |

| | |
|-------------------------------------|-----|
| Diabetes | 2 |
| Peritonitis | 6 |
| Hepatitis | 2 |
| Bronchial Catarrh | 4 |
| Convulsions | 14 |
| Old Age | 23 |
| Premature Birth | 8 |
| Murder | 1 |
| Strangulated Hernia | 2 |
| General Debility | 3 |
| Congestive Chill | 2 |
| Asthma | 1 |
| All other Diseases | 36 |
| Total | 413 |
| White | 342 |
| Colored | 71 |
| Total | 413 |
| Males | 213 |
| Females. | 200 |
| Total | 413 |
| Born in the United States | 338 |
| Foreign Born | 75 |
| Total | 413 |

AGES OF THE DECEDENTS.

| | |
|-------------------------------|----|
| Under 1 year | 93 |
| From 1 to 5 years | 49 |
| From 5 to 10 years | 18 |
| From 10 to 20 years | 23 |
| From 20 to 30 years | 35 |
| From 30 to 40 years | 30 |
| From 40 to 50 years | 32 |
| From 50 to 60 years | 34 |
| From 60 to 70 years | 26 |
| From 70 to 80 years | 47 |

| | |
|--------------------------------|----|
| From 80 to 90 years | 20 |
| From 90 to 100 years | 2 |
| Age not stated | 4 |

BIRTHS.

| | |
|-------------------|-----|
| White | 357 |
| Colored | 38 |
| Total | 395 |
| Males | 196 |
| Females | 199 |
| Total | 395 |

MARRIAGES.

| | |
|--------------------------------------|-----|
| White | 133 |
| Colored | 38 |
| Color not stated | 3 |
| Total | 174 |
| Brought here for interment | 15 |
| Still Born | 11 |

Deaths for the quarter ending March 31st, 1891

| | |
|-------------------------------------|---|
| Alcoholism | 0 |
| Croup | 5 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 0 |
| Cerebro Spinal Meningitis | 2 |
| Diarrhœa | 2 |
| Dysentery | 4 |
| Diphtheria | 3 |
| Erysipelas | 2 |
| Intermittent Fever | 0 |
| Measles | 0 |

| | |
|---------------------------------|----|
| Purpura | 0 |
| Puerperal Fever | 2 |
| Pyæmia | 2 |
| Remittent Fever | 2 |
| Rheumatism | 2 |
| Scarlet Fever | 6 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 2 |
| Septicæmia | 3 |
| Tonsilitis | 0 |
| Typhoid Fever | 16 |
| Whooping Cough | 3 |

| | |
|-----------------|----|
| Total | 56 |
|-----------------|----|

| | |
|----------------------------------|----|
| Cancer | 10 |
| Consumption | 47 |
| Tuberculosis | 5 |
| Meningitis | 8 |
| La Grippe | 0 |
| Bright's Disease | 7 |
| Bronchitis | 8 |
| Heart Disease | 27 |
| Pneumonia | 31 |
| Accidents | 12 |
| Accidents on Railroads | 5 |
| Disease of the Brain | 20 |
| Disease of the Bowels | 16 |
| Inanition | 19 |
| General Debility | 11 |
| Drowning | 1 |
| Inflammation of Lungs | 1 |
| Old Age | 12 |
| Premature Birth | 7 |
| Pleuro Pneumonia | 2 |
| Convulsions | 11 |
| Scrofula | 1 |
| Dropsy | 5 |
| Tetanus | 2 |
| Peritonitis | 3 |
| Congestive Chill | 2 |

| | |
|-------------------------------------|-----|
| Criminal Malpractice | 1 |
| Suicide | 1 |
| All other Diseases | 39 |
| Total | 369 |
| White | 320 |
| Colored | 49 |
| Total | 369 |
| Males | 185 |
| Females. | 184 |
| Total | 369 |
| Born in the United States | 369 |
| Foreign Born | 60 |
| Total | 369 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year | 65 |
| From 1 to 2 years | 19 |
| From 2 to 5 years | 17 |
| From 5 to 10 years | 9 |
| From 10 to 20 years | 22 |
| From 20 to 30 years | 42 |
| From 30 to 40 years | 34 |
| From 40 to 50 years | 23 |
| From 50 to 60 years | 38 |
| From 60 to 70 years | 38 |
| From 70 to 80 years | 38 |
| From 80 to 90 years | 19 |
| From 90 to 100 years | 2 |
| Age not stated | 3 |

BIRTHS.

| | |
|-------------------|-----|
| White. | 477 |
| Colored | 43 |
| Total | 520 |

| | |
|-------------------|-----|
| Males | 269 |
| Females | 251 |
| Total | 520 |

MARRIAGES.

| | |
|--------------------------------------|-----|
| White | 140 |
| Colored | 16 |
| Color not stated | 2 |
| Total | 158 |
| Brought here for interment | 14 |
| Still Born | 19 |

Deaths for the quarter ending June 30th, 1891.

| | |
|-------------------------------------|----|
| Alcoholism | 1 |
| Croup | 4 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 3 |
| Cerebro Spinal Meningitis | 1 |
| Diarrhœa | 3 |
| Dysentery | 1 |
| Diphtheria | 11 |
| Erysipelas | 3 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever | 1 |
| Pyæmia | 1 |
| Remittent Fever | 0 |
| Rheumatism | 0 |
| Scarlet Fever | 1 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 1 |

| | |
|----------------------------------|-----|
| Tonsilitis | 2 |
| Typhoid Fever | 10 |
| Whooping Cough | 5 |
| Total | 47 |
| Cancer | 1 |
| Consumption | 30 |
| Tuberculosis | 7 |
| Meningitis | 2 |
| Congestion of Lungs | 4 |
| Bright's Disease | 12 |
| Bronchitis | 6 |
| Heart Disease | 34 |
| Pneumonia | 20 |
| Accidents | 4 |
| Accidents on Railroads | 2 |
| Disease of the Brain | 26 |
| Disease of the Bowels | 3 |
| Peritonitis | 5 |
| Old Age | 13 |
| Marasmus | 3 |
| Convulsions | 12 |
| La Grippe | 7 |
| General Debility | 7 |
| Opium Poisoning | 1 |
| Premature Birth | 4 |
| Suicide | 1 |
| Inanition | 3 |
| Dropsy | 6 |
| Gunshot (wound) | 1 |
| Strangulated Hernia | 2 |
| Hæmaturia | 1 |
| All other Diseases | 38 |
| Total | 302 |
| White | 243 |
| Colored | 59 |
| Total | 302 |

| | |
|-------------------------------------|-----|
| Males | 167 |
| Females. | 135 |
| Total | 302 |
| Born in the United States | 265 |
| Foreign Born | 37 |
| Total | 302 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year | 52 |
| From 1 to 5 years | 32 |
| From 5 to 10 years | 14 |
| From 10 to 20 years | 27 |
| From 20 to 30 years | 28 |
| From 30 to 40 years | 21 |
| From 40 to 50 years | 29 |
| From 50 to 60 years | 14 |
| From 60 to 70 years | 28 |
| From 70 to 80 years | 42 |
| From 80 to 90 years | 9 |
| From 90 to 100 years | 2 |
| Age not stated | 1 |

BIRTHS.

| | |
|-------------------|-----|
| White. | 307 |
| Colored | 37 |
| Total | 344 |
| Males | 188 |
| Females. | 156 |
| Total | 344 |

MARRIAGES.

| | |
|---|-----|
| White. | 132 |
| Colored | 21 |
| Married elsewhere, out of the State | 9 |
| Total | 144 |
| Brought here for interment | 3 |
| Still Born | 8 |

RECAPITULATION

*Of Marriages, Births and Deaths in New Castle County for the
year ending June 30th, 1891.*

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|------------------------------|----------------|-----------------|----------------|-----------------|-------|
| Alcoholism | 0 | 0 | 0 | 0 | 0 |
| Croup | 0 | 12 | 5 | 4 | 21 |
| Carbuncle | 0 | 1 | 0 | 0 | 1 |
| Cholera Morbus | 0 | 0 | 0 | 0 | 0 |
| Cholera Infantum | 25 | 10 | 0 | 3 | 38 |
| Cerebro Spinal Meningitis . | 0 | 3 | 2 | 1 | 6 |
| Diarrhœa | 5 | 0 | 2 | 3 | 10 |
| Dysentery | 9 | 3 | 4 | 1 | 17 |
| Diphthera | 7 | 2 | 3 | 11 | 23 |
| Erysipelas | 0 | 0 | 2 | 3 | 5 |
| Intermittent Fever | 0 | 0 | 0 | 0 | 0 |
| Measles | 1 | 0 | 0 | 0 | 1 |
| Purpura | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever | 0 | 0 | 2 | 1 | 3 |
| Pyæmia | 2 | 0 | 2 | 1 | 5 |
| Remittent Fever | 0 | 0 | 2 | 0 | 2 |
| Rheumatism | 1 | 3 | 2 | 0 | 6 |
| Scarlet Fever | 2 | 5 | 6 | 1 | 14 |
| Small Pox | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital). . . . | 0 | 0 | 0 | 0 | 0 |
| Syphilis | 0 | 0 | 2 | 0 | 2 |
| Septicæmia | 2 | 0 | 3 | 1 | 6 |
| Tonsilitis | 0 | 1 | 0 | 2 | 3 |
| Typhoid Fever | 27 | 25 | 16 | 10 | 78 |
| Whooping Cough | 2 | 5 | 3 | 5 | 15 |
| Zymotic Diseases | 83 | 70 | 56 | 47 | 256 |
| Tuberculosis | 0 | 9 | 5 | 7 | 21 |
| Cancer | 7 | 8 | 10 | 1 | 26 |
| Consumption | 49 | 39 | 46 | 30 | 164 |
| Meningitis | 10 | 14 | 8 | 2 | 34 |
| Congestion of Lungs | 2 | 2 | 1 | 4 | 9 |

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|----------------------------------|----------------|-----------------|----------------|-----------------|-------|
| La Grippe | 1 | 0 | 0 | 7 | 8 |
| Bright's Disease | 7 | 16 | 7 | 12 | 42 |
| Bronchitis | 4 | 3 | 8 | 6 | 21 |
| Heart Disease | 22 | 32 | 27 | 34 | 115 |
| Pneumonia | 13 | 24 | 31 | 20 | 88 |
| Accidents | 8 | 18 | 12 | 4 | 42 |
| Accidents on Railroads | 8 | 2 | 5 | 2 | 17 |
| Disease of the Brain | 20 | 16 | 20 | 26 | 82 |
| Disease of the Bowels | 44 | 15 | 16 | 3 | 78 |
| Old Age | 8 | 23 | 12 | 13 | 56 |
| Insanity | 1 | 12 | 19 | 3 | 35 |
| Peritonitis | 4 | 6 | 3 | 5 | 18 |
| Tetanus | 1 | 0 | 2 | 0 | 3 |
| Malarial Fever | 3 | 0 | 0 | 0 | 3 |
| Drowning | 1 | 3 | 1 | 0 | 5 |
| Scrofula | 1 | 0 | 1 | 0 | 2 |
| Strangulated Hernia | 1 | 2 | 0 | 2 | 5 |
| Premature birth | 7 | 8 | 7 | 4 | 26 |
| All other diseases | 59 | 36 | 39 | 38 | 172 |
| Total | 364 | | | | |
| Typhoid Pneumonia | | 3 | 0 | 0 | 3 |
| Malaria | | 2 | 0 | 0 | 2 |
| Marasmus | | 15 | 0 | 3 | 18 |
| Dropsy | | 6 | 5 | 6 | 17 |
| Diabetis | | 2 | 0 | 0 | 2 |
| Hepatitis | | 2 | 0 | 0 | 2 |
| Bronchial Catarrh | | 4 | 0 | 0 | 4 |
| Convulsions | | 14 | 11 | 12 | 37 |
| Murder | | 1 | 0 | 0 | 1 |
| General Debility | | 3 | 1 | 7 | 21 |
| Congestive Chill | | 2 | 2 | 0 | 4 |
| Asthma | | 1 | 0 | 0 | 1 |
| Total | | 413 | | | |
| Pleuro Pneumonia | | | 2 | 0 | 2 |
| Criminal Malpractice | | | 1 | 0 | 1 |
| Suicide | | | 1 | 1 | 2 |
| Total | | | 369 | | |

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|--|----------------|-----------------|----------------|-----------------|------------|
| Opium Poisoning | | | | 1 | 1 |
| Gunshot wound. | | | | 1 | 1 |
| Hæmaturia. | | | | 1 | 1 |
| Total | | | | <hr/> 302 | |
| Total deaths in New Castle county. | | | | | <hr/> 1448 |

TOTAL DEATHS IN THE COUNTY FOR THE YEAR ENDING JUNE
30TH, 1891.

| | |
|----------------------------------|------|
| First Quarter | 364 |
| Second Quarter | 413 |
| Third Quarter | 369 |
| Fourth Quarter | 302 |
| Total | 1448 |
| Total Zymotic Diseases | 256 |
| All other Diseases | 1192 |

DECEDENTS.

| | |
|-------------------------------------|------|
| White | 1194 |
| Colored | 254 |
| Males | 738 |
| Females. | 710 |
| Born in the United States | 1224 |
| Foreign Born | 224 |
| Total deaths | 1448 |

BIRTHS.

| | |
|-------------------|------|
| White. | 1404 |
| Colored | 136 |
| Males | 797 |
| Females. | 743 |
| Total | 1540 |

MARRIAGES.

| | |
|--------------------------------------|-----|
| White. | 527 |
| Colored | 92 |
| Color not stated | 5 |
| Total | 624 |
| Brought here for interment | 45 |
| Still Born | 56 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|-----|
| Under 1 year | 315 |
| From 1 to 5 years | 155 |
| From 5 to 10 years | 51 |
| From 10 to 20 years | 94 |
| From 20 to 30 years | 20 |
| From 30 to 40 years | 132 |
| From 40 to 50 years | 169 |
| From 50 to 60 years | 112 |
| From 60 to 70 years | 117 |
| From 70 to 80 years | 144 |
| From 80 to 90 years | 62 |
| From 90 to 100 years | 10 |
| Age not stated | 18 |

KENT COUNTY.

Showing deaths for the quarter ending October 1st, 1890.

| | |
|-------------------------------------|----|
| Alcoholism | 0 |
| Croup | 3 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 19 |
| Cerebro Spinal Meningitis | 0 |
| Diarrhœa | 0 |
| Dysentery | 4 |
| Diphtheria | 1 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles | 1 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 1 |
| Remmittent Fever | 0 |
| Rheumatism | 0 |
| Scarlet Fever | 1 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 1 |
| Whooping Cough | 1 |
| <hr/> | |
| Zymotic diseases | 32 |
| Cancer | 1 |
| Consumption | 17 |
| Meningitis | 2 |
| Bright's Disease | 3 |
| Bronchitis | 1 |
| Heart Disease | 9 |
| Pneumonia | 3 |
| Accidents | 2 |
| Accidents on Railroads | 2 |
| Disease of the Brain | 2 |

| | |
|---------------------------------|----|
| Disease of the Bowels | 5 |
| Premature Birth | 1 |
| Old Age | 6 |
| Child Birth | 1 |
| Disease not stated | 9 |
| All other diseases | 12 |

| | |
|-----------------|-----|
| Total | 108 |
|-----------------|-----|

| | |
|--------------------------------------|----|
| Brought here for interment | 6 |
| Still Born | 1 |
| White | 81 |
| Colored | 27 |

| | |
|-----------------|-----|
| Total | 108 |
|-----------------|-----|

| | |
|-------------------|----|
| Males | 57 |
| Females | 51 |

| | |
|-----------------|-----|
| Total | 108 |
|-----------------|-----|

| | |
|-------------------------------------|-----|
| Born in the United States | 107 |
| Foreign Born | 1 |

| | |
|-----------------|-----|
| Total | 108 |
|-----------------|-----|

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year | 33 |
| From 1 to 5 years | 11 |
| From 5 to 10 years | 1 |
| From 10 to 20 years | 4 |
| From 20 to 40 years | 18 |
| From 40 to 60 years | 7 |
| From 60 to 70 years | 15 |
| From 70 to 80 years | 8 |
| From 80 to 90 years | 3 |
| From 90 to 100 years | 1 |
| Age not stated | 7 |

| | |
|-----------------|-----|
| Total | 108 |
|-----------------|-----|

BIRTHS.

| | |
|-------------------|----|
| White. | 39 |
| Colored | 4 |
| Males | 19 |
| Females. | 24 |
| Total | 43 |

MARRIAGES.

| | |
|-------------------|----|
| White. | 19 |
| Colored | 12 |
| Total | 31 |

Showing deaths for the quarter ending December 31st, 1890.

| | |
|-------------------------------------|---|
| Alcoholism. | 0 |
| Croup | 2 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 5 |
| Cerebro Spinal Meningitis | 2 |
| Diarrhœa | 0 |
| Dysentery | 2 |
| Diphtheria | 3 |
| Erysipelas | 0 |
| Intermittent Fever | 1 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 0 |
| Remittent Fever | 0 |
| Rheumatism | 0 |
| Scarlet Fever | 0 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |

| | |
|-------------------------------------|----|
| Tonsilitis | 0 |
| Typhoid Fever | 10 |
| Whooping Cough | 0 |
| Total | 25 |
| Cancer | 3 |
| Consumption | 14 |
| Meningitis | 2 |
| Tuberculosis | 2 |
| Dropsy | 2 |
| Bright's Disease | 4 |
| Bronchitis | 1 |
| Heart Disease | 5 |
| Pneumonia | 3 |
| Accidents | 1 |
| Accidents on Railroads | 0 |
| Disease of the Brain | 3 |
| Disease of the Bowels | 2 |
| Peritonitis | 2 |
| General Debility | 4 |
| Convulsions | 1 |
| Burned | 1 |
| Paralysis | 1 |
| Disease not stated | 9 |
| Total | 85 |
| White | 57 |
| Colored | 28 |
| Total | 85 |
| Males | 38 |
| Females | 47 |
| Total | 85 |
| Born in the United States | 85 |

AGES OF THE DECEDENTS.

| | |
|-----------------------------|---|
| Under 1 year | 9 |
| From 1 to 5 years | 9 |

| | |
|-------------------------------|----|
| From 5 to 10 years | 5 |
| From 10 to 20 years | 5 |
| From 20 to 30 years | 12 |
| From 30 to 40 years | 8 |
| From 40 to 50 years | 1 |
| From 50 to 60 years | 7 |
| From 60 to 70 years | 7 |
| From 70 to 80 years | 11 |
| Age not stated | 11 |

BIRTHS.

| | |
|-------------------|----|
| White | 44 |
| Colored | 7 |
| Total | 51 |
| Males | 27 |
| Females. | 24 |
| Total | 51 |

MARRIAGES.

| | |
|--------------------------------------|----|
| White | 54 |
| Colored | 2 |
| Total | 56 |
| Brought here for interment | 4 |

Deaths for the quarter ending March 31st, 1891.

| | |
|-------------------------------------|---|
| Alcoholism | 0 |
| Croup | 5 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 7 |
| Cerebro Spinal Meningitis | 1 |
| Diarrhœa | 0 |
| Dysentery | 1 |

| | |
|---------------------------------|---|
| Diphtheria | 4 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles. | 0 |
| Purpura. | 0 |
| Puerperal Fever | 3 |
| Pyæmia | 0 |
| Remittent Fever | 0 |
| Rheumatism | 1 |
| Scarlet Fever | 0 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 7 |
| Whooping Cough | 0 |

| | |
|-----------------|----|
| Total | 29 |
|-----------------|----|

| | |
|----------------------------------|----|
| Cancer | 1 |
| Consumption | 16 |
| Meningitis | 2 |
| Marasmus | 1 |
| La Grippe | 2 |
| Bright's Disease | 2 |
| Bronchitis | 5 |
| Heart Disease | 18 |
| Pneumonia | 12 |
| Accidents | 3 |
| Accidents on Railroads | 1 |
| Disease of the Brain | 3 |
| Disease of the Bowels | 6 |
| Typhoid Pneumonia | 1 |
| Asthma. | 1 |
| Paralysis | 2 |
| Dropsy | 2 |
| General Debility | 10 |
| Premature Birth | 2 |
| Catarrhal Pneumonia | 1 |
| Congestion of Lungs | 1 |
| Killed | 1 |

| | |
|-------------------------------------|-----|
| Child Birth | 1 |
| Convulsions | 3 |
| Catarrh | 2 |
| Burned | 1 |
| Shot himself | 1 |
| Disease not stated | 6 |
| All other Diseases | 8 |
| Total | 144 |
| White | 98 |
| Colored | 46 |
| Total | 144 |
| Males | 74 |
| Females | 70 |
| Total | 144 |
| Born in the United States | 139 |
| Foreign Born | 5 |
| Total | 144 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year | 23 |
| From 1 to 5 years | 17 |
| From 5 to 10 years | 10 |
| From 10 to 20 years | 14 |
| From 20 to 30 years | 16 |
| From 30 to 40 years | 7 |
| From 40 to 50 years | 7 |
| From 50 to 60 years | 8 |
| From 60 to 70 years | 12 |
| From 70 to 80 years | 13 |
| From 80 to 90 years | 9 |
| From 90 to 100 years | 3 |
| Age not stated | 5 |

BIRTHS.

| | |
|-----------------|----|
| White | 67 |
|-----------------|----|

| | |
|-------------------|----|
| Colored | 8 |
| Total | 75 |
| Males | 40 |
| Females. | 35 |
| Total | 75 |

MARRIAGES.

| | |
|--------------------------------------|----|
| White | 49 |
| Colored | 6 |
| Color not stated | 1 |
| Total | 56 |
| Brought here for interment | 4 |

Deaths for the quarter ending June 30th, 1891.

| | |
|-------------------------------------|---|
| Alcoholism | 0 |
| Croup | 0 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 2 |
| Cerebro Spinal Meningitis | 1 |
| Diarrhœa | 0 |
| Dysentery | 0 |
| Diphtheria | 0 |
| Erysipelas | 1 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 0 |
| Remittent Fever | 0 |
| Rheumatism | 0 |
| Scarlet Fever | 0 |
| Small Pox | 0 |

| | |
|-------------------------------------|----|
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsillitis | 0 |
| Typhoid Fever | 4 |
| Whooping Cough | 1 |
| <hr/> | |
| Zymotic Diseases | 9 |
| Cancer | 3 |
| Consumption | 17 |
| Bright's Disease | 2 |
| Bronchitis | 0 |
| Heart Disease | 4 |
| Pneumonia | 10 |
| Accidents | 1 |
| Accidents on Railroads | 6 |
| Disease of the Brain | 3 |
| Disease of the Bowels | 3 |
| Malaria | 1 |
| General Debility | 14 |
| Catarrh | 2 |
| Inanition | 1 |
| Paralysis | 7 |
| Dropsy | 3 |
| Convulsions | 1 |
| Disease not stated | 3 |
| All other Diseases | 6 |
| Thrush | 1 |
| <hr/> | |
| Total | 94 |
| White | 61 |
| Colored | 33 |
| <hr/> | |
| Total | 94 |
| Males | 52 |
| Females | 42 |
| <hr/> | |
| Total | 94 |
| Born in the United States | 92 |

| | |
|------------------------|-----------|
| Foreign Born | 2 |
| Total | <u>94</u> |

AGES OF THE DECEDENTS.

| | |
|--------------------------------------|----|
| Under 1 year | 13 |
| From 1 to 5 years | 7 |
| From 5 to 10 years | 2 |
| From 10 to 20 years | 7 |
| From 20 to 30 years | 10 |
| From 30 to 40 years | 9 |
| From 40 to 50 years | 8 |
| From 50 to 60 years | 7 |
| From 60 to 70 years | 15 |
| From 70 to 80 years | 10 |
| From 80 to 90 years | 4 |
| Age, 100 years and 19 days | 1 |
| Age not stated | 1 |

BIRTHS.

| | |
|-------------------|----------|
| White | 7 |
| Colored | 2 |
| Total | <u>9</u> |
| Males | 7 |
| Females | 2 |
| Total | <u>9</u> |

MARRIAGES.

| | |
|-------------------|-----------|
| White | 32 |
| Colored | 2 |
| Total | <u>34</u> |

RECAPITULATION

*Of Marriages, Births and Deaths in Kent County for the
year ending June 30th, 1891.*

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|-------------------------------|----------------|-----------------|----------------|-----------------|-------|
| Alcoholism | 0 | 0 | 0 | 0 | 0 |
| Croup | 3 | 2 | 5 | 0 | 10 |
| Carbuncle | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus | 0 | 0 | 0 | 0 | 0 |
| Cholera Infantum | 19 | 5 | 7 | 2 | 33 |
| Cerebro Spinal Meningitis . | 0 | 2 | 1 | 1 | 4 |
| Diarrhœa | 0 | 0 | 0 | 0 | 0 |
| Dysentery | 4 | 2 | 1 | 0 | 7 |
| Diphtheria | 1 | 3 | 4 | | 8 |
| Erysipelas | 0 | 0 | 0 | 1 | 1 |
| Intermittent Fever | 0 | 1 | 0 | 0 | 1 |
| Measles | 1 | 0 | 0 | 0 | 1 |
| Purpura | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever | 0 | 0 | 3 | 0 | 3 |
| Pyæmia | 1 | 0 | 0 | 0 | 1 |
| Remittent Fever | 0 | 0 | 0 | 0 | 0 |
| Rheumatism | 0 | 0 | 1 | 0 | 1 |
| Scarlet Fever | 1 | 0 | 0 | 0 | 1 |
| Small Pox | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital) | 0 | 0 | 0 | 0 | 0 |
| Syphilis | 0 | 0 | 0 | 0 | 0 |
| Septicæmia | 0 | 0 | 0 | 0 | 0 |
| Tonsilitis | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever | 1 | 10 | 7 | 4 | 22 |
| Whooping Cough | 1 | 0 | 0 | 1 | 2 |
| <hr/> | | | | | |
| Zymotic Diseases | 32 | 25 | 29 | 9 | 95 |
| Cancer | 1 | 3 | 1 | 3 | 8 |
| Consumption | 17 | 14 | 16 | 14 | 61 |
| Meningitis | 2 | 2 | 2 | 0 | 6 |
| Tuberculosis | 0 | 2 | 0 | 0 | 2 |
| Dropsy | 0 | 2 | 2 | 3 | 7 |

| | | | | | |
|-------------------------------|----|---|----|----|----|
| Bright's Disease. | 3 | 4 | 2 | 2 | 11 |
| Bronchitis. | 1 | 1 | 5 | 0 | 7 |
| Heart Disease | 9 | 5 | 18 | 4 | 36 |
| Pneumonia | 3 | 3 | 12 | 10 | 28 |
| Accidents | 2 | 1 | 3 | 1 | 7 |
| Accidents on Railroads. . . . | 2 | 0 | 1 | 6 | 9 |
| Disease of the Brain. | 2 | 3 | 3 | 3 | 12 |
| Disease of the Bowels | 5 | 2 | 6 | 3 | 16 |
| Premature birth | 1 | 0 | 2 | 0 | 3 |
| Old Age. | 6 | 0 | 0 | 0 | 6 |
| Child Birth | 1 | 0 | 1 | 0 | 2 |
| Disease not stated | 9 | 9 | 6 | 3 | 27 |
| All other diseases | 12 | 0 | 8 | 6 | 26 |

| | | | | | |
|---------------------------|-----|---|----|----|----|
| Total | 108 | | | | |
| Peritonitis | | 2 | 0 | 0 | 2 |
| General Debility. | | 4 | 10 | 14 | 28 |
| Convulsions | | 1 | 3 | 1 | 5 |
| Burned | | 1 | 1 | 0 | 2 |
| Paralysis | | 1 | 2 | 7 | 10 |

| | | | | | |
|------------------------------|----|---|---|---|--|
| Total | 85 | | | | |
| Typhoid Pneumonia | | 1 | 0 | 1 | |
| Asthma. | | 1 | 0 | 1 | |
| Catarrhal Pneumonia. | | 1 | 0 | 1 | |
| Congestion of Lungs. | | 1 | 0 | 1 | |
| Killed. | | 1 | 0 | 1 | |
| Catarrh | | 2 | 2 | 4 | |
| Shot himself | | 1 | 0 | 1 | |
| Marasmus. | | 1 | 0 | 1 | |
| La Grippe. | | 2 | 0 | 2 | |

| | | | | | |
|---------------------|-----|--|---|---|--|
| Total | 144 | | | | |
| Malaria | | | 1 | 1 | |
| Inanition | | | 1 | 1 | |
| Thrush | | | 1 | 1 | |

| | | | | | |
|-----------------|----|--|--|--|--|
| Total | 94 | | | | |
|-----------------|----|--|--|--|--|

| | |
|--------------------------------------|-----|
| Total deaths in Kent county. | 431 |
|--------------------------------------|-----|

TOTAL DEATHS IN THE COUNTY FOR THE YEAR ENDING JUNE
30TH, 1891.

| | |
|-------------------------------------|------------|
| First Quarter | 108 |
| Second Quarter | 85 |
| Third Quarter | 144 |
| Fourth Quarter | 94 |
| Total | <u>431</u> |
| Zymotic Diseases | 95 |
| All other Diseases | 336 |
| White | 297 |
| Colored | 134 |
| Total | <u>431</u> |
| Males | 221 |
| Females | 210 |
| Born in the United States | 423 |
| Foreign Born | 8 |

BIRTHS.

| | |
|-------------------|------------|
| White | 157 |
| Colored | 21 |
| Males | 93 |
| Females | 85 |
| Total | <u>178</u> |

MARRIAGES.

| | |
|----------------------------|------------|
| White | 154 |
| Colored | 22 |
| Color not stated | 1 |
| Total | <u>177</u> |

AGES OF THE DECEDENTS.

| | |
|------------------------|----|
| Under 1 year | 78 |
|------------------------|----|

| | |
|---|---------|
| From 1 to 5 years | 44 |
| From 5 to 10 years | 18 |
| From 10 to 20 years | 30 |
| From 20 to 30 years | 38 |
| From 30 to 40 years | 42 |
| From 40 to 50 years | 16 |
| From 50 to 60 years | 29 |
| From 60 to 70 years | 49 |
| From 70 to 80 years | 42 |
| From 80 to 90 years | 27 |
| From 90 to 100 years | 3 |
| Age, 100 years and 19 days | 1 |
| Age not stated | 13 |
| Brought here for interment | 14 |
| Still Born | 1 |
| Deaths exceed the births by | 253 |

SUSSEX COUNTY.

Deaths for the quarter ending September 30th, 1890.

| | |
|-------------------------------------|----|
| Alcoholism | 0 |
| Croup | 0 |
| Carbuncle | 0 |
| Cholera Morbus | 1 |
| Cholera Infantum | 14 |
| Cerebro Spinal Meningitis | 3 |
| Diarrhoea | 0 |
| Dysentery | 7 |
| Diphtheria | 2 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles | 1 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 0 |
| Remittent Fever | 0 |
| Rheumatism | 1 |
| Scarlet Fever | 0 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 9 |
| Whooping Cough | 1 |
| Total | 39 |

| | |
|----------------------------|----|
| Cancer | 1 |
| Consumption | 22 |
| Marasmus | 2 |
| Meningitis | 2 |
| La Grippe | 0 |
| Bright's Disease | 0 |
| Bronchitis | 0 |
| Heart Disease | 4 |
| Pneumonia | 6 |
| Accidents | 0 |

| | |
|-------------------------------------|-----------|
| Accidents on Railroads | 1 |
| Disease of the Brain | 4 |
| Disease of the Bowels | 3 |
| Old Age. | 5 |
| Malarial Fever. | 1 |
| Premature Birth | 1 |
| Surgical | 1 |
| Convulsions | 4 |
| Burned | 1 |
| Tetanus. | 2 |
| Bilious Cholic | 1 |
| Paralysis | 1 |
| Disease not stated. | 13 |
| All other Diseases | 5 |
| Total | <hr/> 119 |
| White. | 105 |
| Colored | 14 |
| Total | <hr/> 119 |
| Males | 60 |
| Females. | 59 |
| Total | <hr/> 119 |
| Born in the United States | 118 |
| Foreign Born | 1 |
| Total | <hr/> 119 |

AGES OF THE DECEDENTS.

| | |
|-------------------------------|----|
| Under 1 year | 25 |
| From 1 to 5 years | 18 |
| From 5 to 10 years | 7 |
| From 10 to 20 years | 11 |
| From 20 to 30 years | 13 |
| From 30 to 40 years | 8 |
| From 40 to 50 years | 7 |
| From 50 to 60 years | 7 |

| | |
|--------------------------------|---|
| From 60 to 70 years | 9 |
| From 70 to 80 years | 6 |
| From 80 to 90 years | 2 |
| From 90 to 100 years | 1 |
| Age not stated | 5 |

BIRTHS.

| | |
|-------------------|----|
| White. | 72 |
| Colored | 1 |
| <hr/> | |
| Total | 73 |
| Males | 54 |
| Females. | 19 |
| <hr/> | |
| Total | 73 |

MARRIAGES.

| | |
|------------------|----|
| White | 17 |
| Colored. | 1 |
| <hr/> | |
| Total | 18 |

Deaths for the quarter ending December 31st, 1890.

| | |
|-------------------------------------|----|
| Alcoholism. | 1 |
| Croup | 1 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 10 |
| Cerebro Spinal Meningitis | 0 |
| Diarrhœa | 1 |
| Dysentery | 4 |
| Diphtheria | 6 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles | 0 |

| | |
|----------------------------------|----|
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 3 |
| Remittent Fever | 0 |
| Rheumatism | 1 |
| Scarlet Fever | 0 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 10 |
| Whooping Cough | 0 |
| Total | 37 |
| Cancer | 1 |
| Consumption | 31 |
| Marasmus | 3 |
| Meningitis | 3 |
| Tuberculosis | 6 |
| Bright's Disease | 1 |
| Bronchitis | 0 |
| Heart Disease | 10 |
| Pneumonia | 13 |
| Accidents | 1 |
| Accidents on Railroads | 2 |
| Disease of the Brain | 8 |
| Disease of the Bowels | 3 |
| Congestion of Lungs | 1 |
| General Debility | 8 |
| Cholic | 1 |
| Burned | 2 |
| Dropsy | 5 |
| Convulsions | 1 |
| Typhoid Malarial Fever | 2 |
| Albumenuria | 2 |
| La Grippe | 4 |
| Opium Poisoning | 1 |
| Paralysis | 2 |
| Uræmia | 2 |
| Disease not stated | 39 |

| | |
|-------------------------------------|-----|
| All other Diseases | 2 |
| Scofula | 1 |
| <hr/> Total | 192 |
| White | 148 |
| Colored | 44 |
| <hr/> Total | 192 |
| Males | 97 |
| Females | 95 |
| <hr/> Total | 192 |
| Born in the United States | 191 |
| Foreign Born | 1 |
| <hr/> Total | 192 |

AGES OF THE DECEDENTS.

| | |
|-------------------------------|----|
| Under 1 year | 31 |
| From 1 to 5 years | 18 |
| From 5 to 10 years | 5 |
| From 10 to 20 years | 15 |
| From 20 to 30 years | 20 |
| From 30 to 40 years | 16 |
| From 40 to 50 years | 16 |
| From 50 to 60 years | 20 |
| From 60 to 70 years | 19 |
| From 70 to 80 years | 13 |
| From 80 to 90 years | 5 |
| Age not stated | 19 |

BIRTHS.

| | |
|-----------------------|-----|
| White | 124 |
| Colored | 4 |
| <hr/> Total | 128 |
| Males | 62 |
| Females | 66 |
| <hr/> Total | 128 |

MARRIAGES.

| | |
|--------------------------------------|-------|
| White | 60 |
| Colored | 4 |
| | <hr/> |
| Total | 64 |
| Brought here for interment | 1 |
| Still Born | 1 |

Deaths for the quarter ending March 31st, 1891.

| | |
|-------------------------------------|-------|
| Alcoholism | 0 |
| Croup | 3 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 4 |
| Cerebro Spinal Meningitis | 0 |
| Diarrhœa | 0 |
| Dysentery | 0 |
| Diphtheria | 1 |
| Erysipelas | 1 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 4 |
| Remittent Fever | 1 |
| Rheumatism | 0 |
| Scarlet Fever | 1 |
| Small Pox | 1 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsillitis | 0 |
| Typhoid Fever | 3 |
| Whooping Cough | 0 |
| | <hr/> |
| Total | 19 |

| | |
|-------------------------------------|-----|
| Cancer | 4 |
| Consumption | 35 |
| Meningitis | 2 |
| Marasmus | 2 |
| La Grippe | 6 |
| Bright's Disease | 2 |
| Bronchitis | 0 |
| Heart Disease | 12 |
| Pneumonia | 23 |
| Accidents | 1 |
| Accidents on Railroads | 0 |
| Disease of the Brain | 7 |
| Disease of the Bowels | 6 |
| Malarial Fever | 4 |
| Dropsy | 1 |
| Liver Disease | 5 |
| Kidney Disease | 2 |
| Child Birth | 4 |
| General Debility | 12 |
| Worms | 1 |
| Asthma | 2 |
| Convulsions | 1 |
| Gunshot (own hand) | 1 |
| Disease not stated | 33 |
| All other Diseases | 8 |
| <hr/> | |
| Total | 192 |
| <hr/> | |
| White | 154 |
| Colored | 38 |
| <hr/> | |
| Total | 192 |
| <hr/> | |
| Males | 91 |
| Females | 101 |
| <hr/> | |
| Total | 192 |
| <hr/> | |
| Born in the United States | 191 |
| Foreign Born | 1 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year | 24 |
| From 1 to 5 years | 15 |
| From 5 to 10 years | 3 |
| From 10 to 20 years | 14 |
| From 20 to 30 years | 16 |
| From 30 to 40 years | 16 |
| From 40 to 50 years | 15 |
| From 50 to 60 years | 20 |
| From 60 to 70 years | 26 |
| From 70 to 80 years | 23 |
| From 80 to 90 years | 10 |
| From 90 to 100 years | 3 |
| Age not stated | 7 |

BIRTHS.

| | |
|-------------------|----|
| White | 95 |
| Colored | 4 |
| Total | 99 |
| Males | 56 |
| Females | 43 |
| Total | 99 |

MARRIAGES.

| | |
|-------------------|-----|
| White | 116 |
| Colored | 4 |
| Total | 120 |

The residence of the 192 decedents was not given in a single instance; it is supposed the deaths took place somewhere in Sussex county.

Deaths for the quarter ending June 30th, 1891.

| | |
|----------------------|---|
| Alcoholism | 0 |
| Croup | 1 |

| | |
|-------------------------------------|----|
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 3 |
| Cerebro Spinal Meningitis | 0 |
| Diarrhœa | 0 |
| Dysentery | 1 |
| Diphtheria | 0 |
| Erysipelas | 1 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 0 |
| Remittent Fever | 0 |
| Rheumatism | 0 |
| Scarlet Fever | 0 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 4 |
| Whooping Cough | 0 |
| Total | 10 |

| | |
|----------------------------------|---|
| Cancer | 0 |
| Consumption | 6 |
| Marasmus | 1 |
| Tuberculosis | 1 |
| La Grippe | 1 |
| Bright's Disease | 0 |
| Bronchitis | 0 |
| Heart Disease | 5 |
| Pneumonia | 5 |
| Accidents | 0 |
| Accidents on Railroads | 0 |
| Disease of the Brain | 3 |
| Disease of the Bowels | 3 |
| Burned | 1 |
| Old Age | 6 |
| Peritonitis | 1 |

| | |
|-------------------------------------|----|
| Inanition | 2 |
| Kidney Disease | 1 |
| Catarrh on Breast | 1 |
| Disease not stated | 2 |
| All other Diseases | 6 |
| Total | 55 |
| White | 49 |
| Colored | 6 |
| Total | 55 |
| Males | 27 |
| Females | 28 |
| Total | 55 |
| Born in the United States | 55 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year | 11 |
| From 1 to 5 years | 5 |
| From 5 to 10 years | 1 |
| From 10 to 20 years | 4 |
| From 20 to 30 years | 1 |
| From 30 to 40 years | 3 |
| From 40 to 50 years | 3 |
| From 50 to 60 years | 5 |
| From 60 to 70 years | 8 |
| From 70 to 80 years | 8 |
| From 80 to 90 years | 5 |
| From 90 to 100 years | 1 |

BIRTHS.

| | |
|-------------------|----|
| White | 45 |
| Colored | 7 |
| Total | 52 |

| | |
|------------------|-------|
| Males | 24 |
| Females. | 28 |
| | <hr/> |
| Total | 52 |

MARRIAGES.

| | |
|----------------------------|---|
| White (all told) | 3 |
| Still Born | 2 |

RECAPITULATION

*Of Marriages, Births and Deaths in Sussex County for the
year ending June 30th, 1891.*

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|---------------------------------|----------------|-----------------|----------------|-----------------|------------|
| Alcoholism | 0 | 1 | 0 | 0 | 1 |
| Croup | 0 | 1 | 3 | 1 | 5 |
| Carbuncle | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus | 1 | 0 | 0 | 0 | 1 |
| Cholera Infantum | 14 | 10 | 4 | 3 | 31 |
| Cerebro Spinal Meningitis . | 3 | 0 | 0 | 0 | 3 |
| Diarrhœa | 0 | 1 | 0 | 0 | 1 |
| Dysentery | 7 | 4 | 0 | 1 | 12 |
| Diphthera | 2 | 6 | 1 | 0 | 9 |
| Erysipelas | 0 | 0 | 1 | 1 | 2 |
| Intermittent Fever | 0 | 0 | 0 | 0 | 0 |
| Measles | 1 | 0 | 0 | 0 | 1 |
| Purpura | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever | 0 | 0 | 0 | 0 | 0 |
| Pyæmia | 0 | 3 | 4 | 0 | 7 |
| Remittent Fever | 0 | 0 | 1 | 0 | 1 |
| Rheumatism | 1 | 1 | 0 | 0 | 2 |
| Scarlet Fever | 0 | 0 | 1 | 0 | 1 |
| Small Pox | 0 | 0 | 1 | 0 | 1 |
| Syphilis (Congenital) | 0 | 0 | 0 | 0 | 0 |
| Syphilis | 0 | 0 | 0 | 0 | 0 |
| Septicæmia | 0 | 0 | 0 | 0 | 0 |
| Tonsilitis | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever | 9 | 10 | 3 | 4 | 26 |
| Whooping Cough | 1 | 0 | 0 | 0 | 1 |
| Zymotic Diseases | 39 | 37 | 19 | 10 | 105 |
| Cancer | 1 | 1 | 4 | 0 | 6 |
| Consumption | 22 | 31 | 35 | 6 | 94 |
| Marasmus | 2 | 3 | 2 | 1 | 8 |
| Meningitis | 2 | 3 | 2 | 0 | 7 |
| La Grippe | 0 | 4 | 6 | 1 | 11 |

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|-------------------------------|----------------|-----------------|----------------|-----------------|-------|
| Bright's Disease. | 0 | 1 | 2 | 0 | 3 |
| Bronchitis. | 0 | 0 | 0 | 0 | 0 |
| Heart Disease | 4 | 10 | 12 | 5 | 31 |
| Pneumonia | 6 | 13 | 23 | 5 | 47 |
| Accidents | 0 | 1 | 1 | 0 | 2 |
| Accidents on Railroads. . . . | 1 | 2 | 0 | 0 | 3 |
| Disease of the Brain. | 4 | 8 | 7 | 3 | 22 |
| Disease of the Bowels | 3 | 3 | 6 | 3 | 15 |
| Old Age. | 5 | 0 | 0 | 6 | 11 |
| Malarial Fever. | 1 | 0 | 4 | 0 | 5 |
| Surgical | 1 | 0 | 0 | 0 | 1 |
| Convulsions | 4 | 1 | 1 | 0 | 6 |
| Burned | 1 | 2 | 0 | 1 | 4 |
| Tetanus. | 2 | 0 | 0 | 0 | 2 |
| Bilious Cholic | 1 | 0 | 0 | 0 | 1 |
| Paralysis | 1 | 2 | 0 | 0 | 3 |
| Disease not stated | 13 | 39 | 33 | 2 | 87 |
| All other diseases | 5 | 2 | 8 | 6 | 21 |
| Premature birth | 1 | 0 | 0 | 0 | 1 |

Total 119

| | | | | |
|-----------------------------|---|----|---|----|
| Dropsy | 5 | 1 | 0 | 6 |
| Liver disease. | 0 | 5 | 0 | 5 |
| Kidney disease. | 0 | 2 | 1 | 3 |
| Child Birth | 0 | 4 | 0 | 4 |
| General Debility. | 8 | 12 | 0 | 20 |
| Worms | 0 | 1 | 0 | 1 |
| Asthma. | 0 | 2 | 0 | 2 |
| Gunshot wound on hand . . . | 0 | 1 | 0 | 1 |

Total 192

| | | | |
|------------------------------|---|---|---|
| Congestion of Lungs. | 1 | 0 | 1 |
| Cholic | 1 | 0 | 1 |
| Typho Malarial Fever | 2 | 0 | 2 |
| Albumenuria. | 2 | 0 | 2 |
| Opium Poisoning | 1 | 0 | 1 |
| Uræmia | 2 | 0 | 2 |
| Scrofula | 1 | 0 | 1 |
| Tuberculosis. | 6 | 1 | 7 |

Total 192

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|-----------------------------|----------------|-----------------|----------------|-----------------|-------|
| Peritonitis | | | | 1 | 1 |
| Inanition | | | | 2 | 2 |
| Catarrh on breast | | | | 1 | 1 |
| Total | | | | 55 | |

Total deaths in Sussex county 558

TOTAL DEATHS IN THE COUNTY FOR THE YEAR ENDING JUNE
30TH, 1891.

| | |
|--------------------------|-----|
| First Quarter | 119 |
| Second Quarter | 192 |
| Third Quarter | 192 |
| Fourth Quarter | 55 |

| | |
|----------------------------|-----|
| Total | 558 |
| Zymotic diseases | 105 |

All other Diseases 453

Total deaths 558

Total births 352

Deaths over births 206

DECEDENTS.

| | |
|-------------------|-----|
| White | 456 |
| Colored | 102 |

Total 558

Males 275

Females 283

Total 558

Born in the United States 555

Foreign Born 3

Total 558

BIRTHS.

| | |
|-------------------|-----|
| White | 336 |
| Colored | 16 |
| Total | 352 |
| Males | 196 |
| Females | 156 |
| Total | 352 |

MARRIAGES.

| | |
|-------------------------------------|-----|
| White. | 196 |
| Colored | 9 |
| Total | 205 |
| Brought here for interment. | 1 |
| Still Born | 3 |

AGES OF THE DECEDENTS

| | |
|--------------------------------|----|
| Under 1 year | 91 |
| From 1 to 5 years | 56 |
| From 5 to 10 years | 16 |
| From 10 to 20 years | 44 |
| From 20 to 30 years | 50 |
| From 30 to 40 years | 43 |
| From 40 to 50 years | 41 |
| From 50 to 60 years | 52 |
| From 60 to 70 years | 62 |
| From 70 to 80 years | 50 |
| From 80 to 90 years | 22 |
| From 90 to 100 years | 5 |
| Age not stated | 31 |

NEW CASTLE COUNTY.

Deaths for the quarter ending September 30th, 1891.

| | |
|-------------------------------------|-----|
| Alcoholism | 2 |
| Croup | 4 |
| Carbuncle | 0 |
| Cholera Morbus | 3 |
| Cholera Infantum | 72 |
| Cerebro Spinal Meningitis | 3 |
| Diarrhœa | 2 |
| Dysentery | 8 |
| Diphtheria | 20 |
| Erysipelas | 2 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever | 4 |
| Pyæmia | 1 |
| Remmittent Fever | 1 |
| Rheumatism | 1 |
| Scarlet Fever | 0 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 2 |
| Tonsilitis | 0 |
| Typhoid Fever | 18 |
| Whooping Cough | 11 |
| Total | 154 |
| Cancer | 4 |
| Consumption | 44 |
| Tuberculosis | 6 |
| Congestion of Lungs | 6 |
| Marasmus | 31 |
| Bright's Disease | 9 |
| Bronchitis | 4 |
| Heart Disease | 17 |
| Pneumonia | 5 |
| Accidents | 9 |

| | |
|----------------------------------|----|
| Accidents on Railroads | 6 |
| Disease of the Brain | 31 |
| Disease of the Bowels | 33 |
| Meningitis | 23 |
| Convulsions | 17 |
| Cystitis | 5 |
| Inanition. | 18 |
| Old Age | 18 |
| Laryngitis | 2 |
| Congestive Chill | 1 |
| Drowning | 4 |
| Typho Malarial Fever. | 3 |
| Paralysis. | 9 |
| Peritonitis | 6 |
| Dropsy | 5 |
| Suicide | 1 |
| Premature Birth | 7 |
| Dislocation of Neck | 1 |
| Hip-Joint Disease | 1 |
| Disease not stated. | 3 |
| All other diseases | 31 |

| | |
|-----------------|-----|
| Total | 514 |
|-----------------|-----|

| | |
|------------------|-----|
| White | 405 |
| Colored. | 109 |

| | |
|-----------------|-----|
| Total | 514 |
|-----------------|-----|

| | |
|------------------|-----|
| Males | 257 |
| Females. | 257 |

| | |
|-----------------|-----|
| Total | 514 |
|-----------------|-----|

| | |
|-------------------------------------|-----|
| Born in the United States | 456 |
| Foreign Born | 58 |

| | |
|-----------------|-----|
| Total | 514 |
|-----------------|-----|

AGES OF THE DECEDENTS.

| | |
|-----------------------------|-----|
| Under 1 year | 201 |
| From 1 to 5 years | 58 |

| | |
|--------------------------------|----|
| From 5 to 10 years | 21 |
| From 10 to 20 years | 18 |
| From 20 to 30 years | 34 |
| From 30 to 40 years | 32 |
| From 40 to 50 years | 41 |
| From 50 to 60 years | 32 |
| From 60 to 70 years | 24 |
| From 70 to 80 years | 27 |
| From 80 to 90 years | 22 |
| From 90 to 100 years | 8 |
| Over a 100 years | 1 |

BIRTHS.

| | |
|-------------------|-----|
| White | 354 |
| Colored | 44 |
| Total | 398 |
| Males | 197 |
| Females | 201 |
| Total | 398 |

MARRIAGES.

| | |
|-------------------------------------|-----|
| White. | 112 |
| Colored | 23 |
| Total | 135 |
| Brought here for interment. | 33 |
| Still Born | 21 |

Showing deaths for the quarter ending December 31st, 1891.

| | |
|----------------------------|----|
| Alcoholism. | 1 |
| Croup | 19 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 11 |

| | |
|-------------------------------------|----|
| Cerebro Spinal Meningitis | 5 |
| Diarrhœa | 2 |
| Dysentery | 2 |
| Diphtheria | 55 |
| Erysipelas | 0 |
| Intermittent Fever | 2 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever | 2 |
| Pyæmia | 0 |
| Remittent Fever | 2 |
| Rheumatism | 2 |
| Scarlet Fever | 4 |
| Small Pox | 0 |
| Syphilis (Congenital) | 1 |
| Syphilis | 1 |
| Septicæmia | 2 |
| Tonsilitis | 0 |
| Typhoid Fever | 12 |
| Whooping Cough | 11 |

| | |
|-----------------|-----|
| Total | 134 |
|-----------------|-----|

| | |
|----------------------------------|----|
| Cancer | 10 |
| Consumption | 52 |
| Tuberculosis | 7 |
| Meningitis | 14 |
| Bright's Disease | 14 |
| Bronchitis | 19 |
| Heart Disease | 41 |
| Pneumonia | 43 |
| Accidents | 21 |
| Accidents on Railroads | 2 |
| Disease of the Brain | 29 |
| Disease of the Bowels | 15 |
| La Grippe | 15 |
| General Debility | 29 |
| Marasmus | 19 |
| Congestion of Lungs | 13 |
| Dropsy | 6 |
| Sun Stroke | 1 |
| Paralysis | 22 |

| | |
|---------------------------------|-----|
| Convulsions | 17 |
| Fracture of Skull | 1 |
| Premature Birth | 8 |
| Strangulated Hernia | 4 |
| Miscarriage | 1 |
| Neck Broken | 1 |
| Suicide | 2 |
| Peritonitis | 4 |
| Tetanus | 1 |
| Murder | 1 |
| All other diseases | 45 |
| Total | 581 |
| White | 471 |
| Colored | 110 |
| Total | 581 |
| Males | 293 |
| Females | 288 |
| Total | 581 |
| Born in United States | 503 |
| Foreign Born | 78 |
| Total | 581 |

AGES OF THE DECEASED.

| | |
|-------------------------------|----|
| Under 1 year | 90 |
| From 1 to 5 years | 87 |
| From 5 to 10 years | 44 |
| From 10 to 20 years | 34 |
| From 20 to 30 years | 35 |
| From 30 to 40 years | 33 |
| From 40 to 50 years | 38 |
| From 50 to 60 years | 48 |
| From 60 to 70 years | 53 |
| From 70 to 80 years | 57 |
| From 80 to 90 years | 33 |

| | |
|--------------------------------|----|
| From 90 to 100 years | 13 |
| Age not stated | 10 |

BIRTHS.

| | |
|-------------------|-----|
| White | 545 |
| Colored | 29 |
| Total | 574 |
| Males | 286 |
| Females | 288 |
| Total | 574 |

MARRIAGES.

| | |
|-------------------------------------|-----|
| White. | 182 |
| Colored | 25 |
| Total | 207 |
| Brought here for interment. | 28 |
| Still Born | 11 |

Deaths for the quarter ending March 31st, 1892.

| | |
|-------------------------------------|----|
| Alcoholism. | 0 |
| Croup | 7 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 0 |
| Cerebro Spinal Meningitis | 3 |
| Diarrhoea | 1 |
| Dysentery | 1 |
| Diphtheria | 20 |
| Erysipelas | 1 |
| Intermittent Fever | 0 |
| Measles | 1 |
| Purpura | 1 |
| Puerperal Fever | 0 |

| | |
|----------------------------------|----|
| Pyæmia | 0 |
| Remittent Fever | 1 |
| Rheumatism | 7 |
| Scarlet Fever | 2 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 1 |
| Tonsilitis | 0 |
| Typhoid Fever | 11 |
| Whooping Cough | 9 |
| Serofula | 1 |
| Total | 67 |
| <hr/> | |
| Tuberculosis | 7 |
| Cancer | 7 |
| Consumption | 31 |
| Marasmus | 7 |
| Inanition | 13 |
| Meningitis | 12 |
| Bright's Disease | 13 |
| Bronchitis | 16 |
| Heart Disease | 53 |
| Pneumonia | 72 |
| Accidents | 8 |
| Accidents on Railroads | 4 |
| Disease of the Brain | 21 |
| Disease of the Bowels | 18 |
| Paralysis | 16 |
| Old Age | 26 |
| La Grippe | 31 |
| Convulsions | 17 |
| Premature Birth | 8 |
| Malarial Fever | 1 |
| Congestion of Lungs | 6 |
| Dropsy | 4 |
| Peritonitis | 8 |
| Diabetis | 1 |
| Struck with a chain | 1 |
| Suicide | 2 |
| General Debility | 4 |

| | |
|-------------------------------------|-----|
| Childbirth | 1 |
| Burns. | 1 |
| Neck Broken | 1 |
| All other diseases | 41 |
| Total | 518 |
| White | 409 |
| Colored | 109 |
| Total | 518 |
| Males | 270 |
| Females. | 248 |
| Total | 518 |
| Born in the United States | 436 |
| Foreign Born | 82 |
| Total | 518 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|-----|
| Under 1 year | 110 |
| From 1 to 5 years | 67 |
| From 5 to 10 years | 21 |
| From 10 to 20 years | 26 |
| From 20 to 30 years | 38 |
| From 30 to 40 years | 35 |
| From 40 to 50 years | 36 |
| From 50 to 60 years | 50 |
| From 60 to 70 years | 46 |
| From 70 to 80 years | 50 |
| From 80 to 90 years | 33 |
| From 90 to 100 years | 6 |

BIRTHS.

| | |
|-------------------|-----|
| White | 314 |
| Colored | 36 |
| Total | 350 |

MARRIAGES.

| | |
|--------------------------------------|-----|
| White | 130 |
| Colored. | 27 |
| Total | 157 |
| Brought here for interment | 34 |
| Still Born | 22 |

Showing deaths for the quarter ending June 30th, 1892.

| | |
|------------------------------------|----|
| Alcoholism | 0 |
| Croup | 1 |
| Carbuncle | 0 |
| Cholera Morbus. | 0 |
| Cholera Infantum | 8 |
| Cerebro Spinal Meningitis. | 4 |
| Diarrhœa. | 1 |
| Dysentery | 1 |
| Diphtheria | 6 |
| Erysipelas | 1 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever. | 0 |
| Pyæmia | 2 |
| Remittent Fever. | 0 |
| Rheumatism | 3 |
| Scarlet Fever | 2 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 2 |
| Whooping Cough | 3 |
| Total | 34 |

| | |
|--|-----|
| Cancer | 4 |
| Consumption | 33 |
| Tuberculosis | 6 |
| Marasmus | 10 |
| Inanition | 17 |
| Bright's Disease | 5 |
| Bronchitis | 6 |
| Heart Disease | 30 |
| Pneumonia | 16 |
| Accidents | 10 |
| Accidents on Railroads | 8 |
| Disease of the Brain | 25 |
| Disease of the Bowels | 14 |
| Meningitis | 11 |
| Paralysis | 6 |
| Drowned | 4 |
| Old Age and General Debility | 18 |
| Convulsions | 16 |
| Peritonitis | 6 |
| Suicide | 2 |
| Tetanus | 1 |
| Premature Birth | 8 |
| Childbirth | 1 |
| Dropsy | 3 |
| La Grippe | 2 |
| Congestion of Lungs | 4 |
| Typhoid Pneumonia | 2 |
| Poisoned—Strychnine | 2 |
| All other diseases | 33 |
| Total | 337 |
| White | 276 |
| Colored | 61 |
| Total | 337 |
| Males | 166 |
| Females | 171 |
| Total | 337 |
| Born in the United States | 288 |

| | |
|------------------------|------------|
| Foreign Born | 49 |
| Total | <u>337</u> |

AGES OF THE DECEDENTS

| | |
|--------------------------------|----|
| Under 1 year | 94 |
| From 1 to 5 years | 28 |
| From 5 to 10 years | 13 |
| From 10 to 20 years | 19 |
| From 20 to 30 years | 30 |
| From 30 to 40 years | 30 |
| From 40 to 50 years | 28 |
| From 50 to 60 years | 32 |
| From 60 to 70 years | 31 |
| From 70 to 80 years | 21 |
| From 80 to 90 years | 10 |
| From 90 to 100 years | 1 |

BIRTHS.

| | |
|-------------------|------------|
| White | 314 |
| Colored | 36 |
| Total | <u>350</u> |
| Males | 179 |
| Females | 171 |
| Total | <u>350</u> |

MARRIAGES.

| | |
|-------------------------------------|------------|
| White. | 151 |
| Colored | 25 |
| Total | <u>176</u> |
| Brought here for interment. | 40 |
| Still Born | 21 |

RECAPITULATION

*Of Marriages, Births and Deaths in New Castle County for the
year ending June 30th, 1892.*

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|-------------------------------|----------------|-----------------|----------------|-----------------|-------|
| Alcoholism | 2 | 1 | 0 | 0 | 3 |
| Croup | 4 | 19 | 7 | 1 | 31 |
| Carbuncle | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus | 3 | 0 | 0 | 0 | 3 |
| Cholera Infantum | 72 | 11 | 0 | 8 | 91 |
| Cerebro Spinal Meningitis . | 3 | 5 | 3 | 4 | 15 |
| Diarrhoea | 2 | 2 | 1 | 1 | 6 |
| Dysentery | 8 | 2 | 1 | 1 | 12 |
| Diphtheria | 20 | 55 | 20 | 6 | 101 |
| Erysipelas | 2 | 0 | 1 | 1 | 4 |
| Intermittent Fever | 0 | 2 | 0 | 0 | 2 |
| Measles | 0 | 0 | 1 | 0 | 1 |
| Purpura | 0 | 0 | 1 | 0 | 1 |
| Puerperal Fever | 4 | 2 | 0 | 0 | 6 |
| Pyæmia | 1 | 0 | 0 | 2 | 3 |
| Remittent Fever | 1 | 2 | 1 | 0 | 4 |
| Rheumatism | 1 | 2 | 7 | 3 | 12 |
| Scarlet Fever | 0 | 4 | 2 | 2 | 8 |
| Scrofula | 0 | 0 | 1 | 0 | 1 |
| Syphilis (Congenital) | 0 | 1 | 0 | 0 | 1 |
| Syphilis | 0 | 1 | 0 | 0 | 1 |
| Septicæmia | 2 | 2 | 1 | 0 | 5 |
| Tonsilitis | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever | 18 | 12 | 11 | 2 | 43 |
| Whooping Cough | 11 | 11 | 9 | 3 | 34 |
| Zymotic Diseases | 154 | 134 | 67 | 34 | 389 |
| General Debility | 0 | 29 | 4 | 0 | 33 |
| La Grippe | 0 | 15 | 31 | 2 | 48 |
| Cancer | 4 | 10 | 7 | 4 | 25 |
| Consumption | 44 | 52 | 31 | 33 | 160 |
| Taberculosis | 6 | 7 | 7 | 6 | 26 |

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|-------------------------------|----------------|-----------------|----------------|-----------------|-------|
| Congestion of Lungs. . . . | 6 | 13 | 6 | 4 | 29 |
| Marasmus. | 31 | 19 | 7 | 10 | 67 |
| Bright's Disease. | 9 | 14 | 13 | 5 | 41 |
| Bronchitis. | 4 | 19 | 16 | 6 | 45 |
| Heart Disease | 17 | 41 | 53 | 30 | 141 |
| Pneumonia | 5 | 43 | 72 | 16 | 136 |
| Accidents | 9 | 21 | 8 | 10 | 48 |
| Accidents on Railroads. . . . | 6 | 2 | 4 | 8 | 20 |
| Disease of the Brain. | 31 | 29 | 21 | 25 | 106 |
| Disease of the Bowels | 33 | 15 | 18 | 14 | 80 |
| Meningitis | 23 | 14 | 12 | 11 | 60 |
| Convulsions | 17 | 17 | 17 | 16 | 67 |
| Cystitis | 5 | 0 | 0 | 0 | 5 |
| Inanition | 18 | 0 | 13 | 17 | 48 |
| Old Age. | 18 | 0 | 26 | 18 | 62 |
| Laryngitis. | 2 | 0 | 0 | 0 | 2 |
| Congestive Chill | 1 | 0 | 0 | 0 | 1 |
| Drowning. | 4 | 0 | 0 | 4 | 8 |
| Typho Malarial Fever | 3 | 0 | 0 | 0 | 3 |
| Paralysis | 9 | 22 | 16 | 6 | 53 |
| Peritonitis | 6 | 4 | 8 | 6 | 24 |
| Dropsy | 5 | 6 | 4 | 3 | 18 |
| Suicide | 1 | 2 | 2 | 2 | 7 |
| Premature birth | 7 | 8 | 8 | 8 | 31 |
| Dislocation of neck | 1 | 0 | 0 | 0 | 1 |
| Hip joint disease. | 1 | 0 | 0 | 0 | 1 |
| Disease not stated | 3 | 0 | 0 | 0 | 3 |
| All other diseases | 31 | 45 | 41 | 33 | 150 |
| Total | 514 | | | | |
| Sunstroke. | | 1 | 0 | 0 | 1 |
| Fracture of Skull | | 1 | 0 | 0 | 1 |
| Stangulated Herina. | | 4 | 0 | 0 | 4 |
| Miscarriage | | 1 | 0 | 0 | 1 |
| Neck broken. | | 1 | 1 | 0 | 2 |
| Tetanus. | | 1 | 0 | 1 | 2 |
| Murder. | | 1 | 0 | 0 | 1 |
| Total | | 581 | | | |
| Malarial Fever. | | | 1 | 0 | 1 |

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|----------------------------------|----------------|-----------------|----------------|-----------------|-------|
| Diabetes | | | 1 | 0 | 1 |
| Struck with a chair | | | 1 | 0 | 1 |
| Child Birth | | | 1 | 1 | 2 |
| Burns | | | 1 | 0 | 1 |
| Total | | | 518 | | |
| Typhoid Pneumonia | | | | 2 | 2 |
| Poisoned by Strichnine | | | | 2 | 2 |
| Total | | | | 337 | |

Total deaths in New Castle county 1950

TOTAL DEATHS IN THE COUNTY FOR THE YEAR ENDING JUNE
30TH, 1892.

| | |
|------------------------------|------|
| First Quarter | 514 |
| Second Quarter | 581 |
| Third Quarter | 518 |
| Fourth Quarter | 337 |
| Total | 1950 |
| Zymotic diseases | 389 |
| All other Diseases | 1561 |

DECEDENTS.

| | |
|---------------------------------|------|
| White | 1561 |
| Colored | 389 |
| Total | 1950 |
| Males | 986 |
| Females | 964 |
| Total | 1950 |
| Born in United States | 1683 |
| Foreign Born | 267 |
| Total | 1950 |

BIRTHS.

| | |
|-------------------|------|
| White | 1527 |
| Colored | 145 |
| Total | 1672 |
| Males | 834 |
| Females | 838 |
| Total | 1672 |

MARRIAGES.

| | |
|-------------------------------------|-----|
| White. | 575 |
| Colored | 100 |
| Total | 675 |
| Brought here for interment. | 135 |
| Still Born | 75 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|-----|
| Under 1 year | 495 |
| From 1 to 5 years | 235 |
| From 5 to 10 years | 99 |
| From 10 to 20 years | 97 |
| From 20 to 30 years | 137 |
| From 30 to 40 years | 134 |
| From 40 to 50 years | 143 |
| From 50 to 60 years | 162 |
| From 60 to 70 years | 154 |
| From 70 to 80 years | 55 |
| From 80 to 90 years | 101 |
| From 90 to 100 years | 28 |
| Over 100 years | 1 |
| Ages not stated | 10 |

KENT COUNTY.

Deaths for the quarter ending September 30th, 1891.

| | |
|------------------------------------|----|
| Alcoholism | 0 |
| Croup | 0 |
| Carbuncle | 0 |
| Cholera Morbus. | 0 |
| Cholera Infantum | 19 |
| Cerebro Spinal Meningitis. | 0 |
| Diarrhoea. | 1 |
| Dysentery | 3 |
| Diphtheria | 3 |
| Erysipelas | 1 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever. | 0 |
| Pyæmia | 0 |
| Remittent Fever | 2 |
| Rheumatism | 0 |
| Scarlet Fever | 0 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 6 |
| Whooping Cough | 14 |
| <hr/> | |
| Total | 49 |
| | |
| Typhoid Pneumonia | 1 |
| Cancer | 2 |
| Consumption | 9 |
| Marasmus | 4 |
| La Grippe | 1 |
| Bright's Disease | 0 |
| Bronchitis | 3 |
| Heart Disease | 3 |
| Pneumonia | 2 |

| | |
|-------------------------------------|-----|
| Accidents | 0 |
| Accidents on Railroads | 0 |
| Disease of the Brain | 2 |
| Disease of the Bowels | 3 |
| General Debility | 8 |
| Abscess in head | 1 |
| Premature Birth | 2 |
| Dropsy | 4 |
| Paralysis | 3 |
| Lung Fever | 1 |
| Asthma | 2 |
| Convulsions | 2 |
| Malarial Fever | 1 |
| Old Age | 4 |
| Change of Life | 1 |
| All other diseases | 7 |
| Disease not stated | 11 |
| Total | 126 |
| White | 90 |
| Colored | 36 |
| Total | 126 |
| Males | 59 |
| Females | 67 |
| Total | 126 |
| Born in the United States | 122 |
| Foreign Born | 4 |
| Total | 126 |

AGES OF THE DECEDENTS.

| | |
|-------------------------------|----|
| Under 1 year | 35 |
| From 1 to 5 years | 20 |
| From 5 to 10 years | 3 |
| From 10 to 20 years | 10 |
| From 20 to 30 years | 6 |
| From 30 to 40 years | 10 |

| | |
|-------------------------------|----|
| From 40 to 50 years | 5 |
| From 50 to 60 years | 6 |
| From 60 to 70 years | 13 |
| From 70 to 80 years | 9 |
| From 80 to 90 years | 7 |
| Age not stated | 2 |

BIRTHS.

| | |
|-------------------|-----|
| White | 89 |
| Colored | 13 |
| Total | 102 |
| Males | 56 |
| Females | 46 |
| Total | 102 |

MARRIAGES.

| | |
|--------------------------------------|----|
| White | 30 |
| Colored | 3 |
| Total | 33 |
| Brought here for interment | 11 |
| Still Born | 1 |

Deaths for the quarter ending December 31st, 1891.

| | |
|------------------------------------|---|
| Alcoholism | 0 |
| Croup | 1 |
| Carbuncle | 0 |
| Cholera Morbus. | 0 |
| Cholera Infantum | 1 |
| Cerebro Spinal Meningitis. | 0 |
| Diarrhoea. | 0 |
| Dysentery | 0 |
| Diphtheria | 3 |

| | |
|----------------------------------|----|
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever. | 0 |
| Pyæmia | 0 |
| Remmittent Fever. | 1 |
| Rheumatism | 0 |
| Scarlet Fever | 2 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 3 |
| Whooping Cough | 3 |
| Total | 14 |
| Cancer | 1 |
| Consumption | 13 |
| Marasmus | 1 |
| La Grippe | 1 |
| Meningitis | 2 |
| Bright's Disease | 3 |
| Bronchitis | 1 |
| Heart Disease. | 4 |
| Pneumonia | 5 |
| Accidents | 1 |
| Accidents on Railroads | 0 |
| Disease of the Brain | 2 |
| Disease of the Bowels | 1 |
| General Debility | 3 |
| Paralysis | 5 |
| Malaria | 2 |
| Congestive Chill | 1 |
| Opium Poison | 1 |
| Convulsions | 2 |
| Dropsy | 3 |
| Gastric Catarrh | 2 |
| Old Age | 1 |
| Tumor | 1 |

| | |
|---------------------------------|-------|
| Bilious Fever | 1 |
| Gunshot Wound | 1 |
| Drowned | 1 |
| All other diseases | 4 |
| Disease not stated. | 11 |
| | <hr/> |
| Total | 88 |
| White | 60 |
| Colored | 28 |
| | <hr/> |
| Total | 88 |
| Males | 49 |
| Females. | 39 |
| | <hr/> |
| Total | 88 |
| Born in United States | 87 |
| Foreign Born | 1 |
| | <hr/> |
| Total | 88 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year | 12 |
| From 1 to 5 years | 11 |
| From 5 to 10 years | 2 |
| From 10 to 20 years | 6 |
| From 20 to 30 years | 10 |
| From 30 to 40 years | 7 |
| From 40 to 50 years | 6 |
| From 50 to 60 years | 6 |
| From 60 to 70 years | 6 |
| From 70 to 80 years | 9 |
| From 80 to 90 years | 6 |
| From 90 to 100 years | 1 |
| Ages not stated | 6 |

BIRTHS.

| | |
|-----------------|----|
| White | 39 |
|-----------------|----|

| | |
|-------------------|----|
| Colored | 2 |
| Total | 41 |
| Males | 19 |
| Females. | 22 |
| Total | 41 |

MARRIAGES.

| | |
|-------------------------------------|----|
| White. | 42 |
| Colored | 3 |
| Total | 45 |
| Brought here for interment. | 4 |
| Still Born | 1 |

Showing deaths for the quarter ending March 31st, 1892.

| | |
|-------------------------------------|---|
| Alcoholism | 0 |
| Croup | 6 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 1 |
| Cerebro Spinal Meningitis | 0 |
| Diarrhœa | 0 |
| Dysentery | 1 |
| Diphtheria | 4 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 0 |
| Remittent Fever | 0 |
| Rheumatism | 1 |
| Scarlet Fever | 0 |

| | |
|---------------------------------|---|
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 5 |
| Whooping Cough | 2 |

| | |
|-----------------|----|
| Total | 20 |
|-----------------|----|

| | |
|----------------------------------|----|
| Cancer | 5 |
| Consumption | 12 |
| Marasmus | 2 |
| Meningitis | 2 |
| La Grippe | 6 |
| Bright's Disease | 0 |
| Bronchitis | 3 |
| Heart Disease | 9 |
| Pneumonia | 17 |
| Accidents | 3 |
| Accidents on Railroads | 0 |
| Disease of the Brain | 3 |
| Disease of the Bowels | 4 |
| Paralysis | 5 |
| Congestion of Lungs | 1 |
| Dropsy | 2 |
| General Debility | 6 |
| Old Age | 3 |
| Typhus | 1 |
| Scald | 1 |
| Burned | 1 |
| Catarrh | 1 |
| Lung Fever | 2 |
| Typho Malarial Fever | 1 |
| Convulsions | 1 |
| Disease not stated | 7 |
| All other diseases | 11 |

| | |
|-----------------|-----|
| Total | 129 |
|-----------------|-----|

| | |
|-----------------|----|
| White | 98 |
|-----------------|----|

| | |
|-------------------|------------|
| Colored | 31 |
| Total | <u>129</u> |
| Males | 62 |
| Females | 67 |
| Total | <u>129</u> |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year | 27 |
| From 1 to 5 years | 13 |
| From 5 to 10 years | 2 |
| From 10 to 20 years | 6 |
| From 20 to 30 years | 10 |
| From 30 to 40 years | 12 |
| From 40 to 50 years | 6 |
| From 50 to 60 years | 12 |
| From 60 to 70 years | 17 |
| From 70 to 80 years | 17 |
| From 80 to 90 years | 6 |
| From 90 to 100 years | 1 |

BIRTHS.

| | |
|-------------------|-----------|
| White | 41 |
| Colored | 16 |
| Total | <u>57</u> |
| Males | 27 |
| Females | 30 |
| Total | <u>57</u> |

MARRIAGES.

| | |
|----------------------|-----------|
| White | 60 |
| Colored | 1 |
| Total | <u>61</u> |
| Still Born | 4 |

Showing deaths for the quarter ending June 30th, 1892.

| | |
|-------------------------------------|----|
| Alcoholism | 0 |
| Croup | 8 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 1 |
| Cerebro Spinal Meningitis | 1 |
| Diarrhœa | 0 |
| Dysentery | 0 |
| Diphtheria | 3 |
| Erysipelas | 0 |
| Intermittent Fever | 1 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 0 |
| Remmittent Fever | 0 |
| Rheumatism | 1 |
| Scarlet Fever | 1 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 2 |
| Whooping Cough | 2 |
| Total | 20 |
| | |
| Cancer | 3 |
| Consumption | 17 |
| Marasmus | 1 |
| Meningitis | 2 |
| La Grippe | 2 |
| Bright's Disease | 0 |
| Bronchitis | 0 |
| Heart Disease | 5 |
| Pneumonia | 7 |
| Accidents | 0 |
| Accidents on Railroads | 1 |

| | |
|---------------------------------|----|
| Disease of the Brain | 7 |
| Disease of the Bowels | 1 |
| Old Age | 3 |
| Convulsions. | 1 |
| Neglect | 1 |
| Gastric Fever | 1 |
| General Debility | 11 |
| Dropsy | 5 |
| Disease of Bladder | 1 |
| Drowned | 2 |
| Insanity | 1 |
| Tuberculosis | 2 |
| Paralysis. | 1 |
| By a blow on the Head | 1 |
| Peritonitis | 1 |
| Burned by a Lamp | 1 |
| Disease not stated | 8 |
| All other diseases | 4 |

| | |
|-----------------|-----|
| Total | 110 |
|-----------------|-----|

| | |
|-------------------|----|
| White | 80 |
| Colored | 30 |

| | |
|-----------------|-----|
| Total | 110 |
|-----------------|-----|

| | |
|-------------------|----|
| Males | 48 |
| Females | 62 |

| | |
|-----------------|-----|
| Total | 110 |
|-----------------|-----|

| | |
|---------------------------------|-----|
| Born in United States | 108 |
| Foreign Born | 2 |

| | |
|-----------------|-----|
| Total | 110 |
|-----------------|-----|

AGES OF THE DECEDENTS.

| | |
|-------------------------------|----|
| Under 1 year | 14 |
| From 1 to 5 years | 14 |
| From 5 to 10 years | 6 |
| From 10 to 20 years | 9 |
| From 20 to 30 years | 11 |
| From 30 to 40 years | 8 |

| | |
|------------------------------------|----|
| From 40 to 50 years | 5 |
| From 50 to 60 years | 6 |
| From 60 to 70 years | 16 |
| From 70 to 80 years | 12 |
| From 80 to 90 years | 5 |
| From 90 to 100 years | 0 |
| From over 100, 105 years | 1 |
| Age not stated | 3 |

BIRTHS.

| | |
|-------------------|-------|
| White | 18 |
| Colored | 1 |
| | <hr/> |
| Total | 19 |
| Males | 8 |
| Females | 11 |
| | <hr/> |
| Total | 19 |

MARRIAGES.

| | |
|--------------------------------------|-------|
| White | 24 |
| Colored | 1 |
| | <hr/> |
| Total | 25 |
| Brought here for interment | 3 |
| Still Born | 1 |

RECAPITULATION

*Of Marriages, Births and Deaths in Kent County for the year
ending June 30th, 1892.*

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|------------------------------|----------------|-----------------|----------------|-----------------|-------|
| Alcoholism | 0 | 0 | 0 | 0 | 0 |
| Croup | 0 | 1 | 6 | 8 | 15 |
| Carbuncle | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus | 0 | 0 | 0 | 0 | 0 |
| Cholera Infantum | 19 | 1 | 1 | 1 | 22 |
| Cerebro Spinal Meningitis . | 0 | 0 | 0 | 1 | 1 |
| Diarrhoea | 1 | 0 | 0 | 0 | 1 |
| Dysentery | 3 | 0 | 1 | 0 | 4 |
| Diphtheria | 3 | 3 | 4 | 3 | 13 |
| Erysipelas | 1 | 0 | 0 | 0 | 1 |
| Intermittent Fever | 0 | 0 | 0 | 1 | 1 |
| Measles | 0 | 0 | 0 | 0 | 0 |
| Purpura | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever | 0 | 0 | 0 | 0 | 0 |
| Pyæmia | 0 | 0 | 0 | 0 | 0 |
| Remittent Fever | 2 | 1 | 0 | 0 | 3 |
| Rheumatism | 0 | 0 | 1 | 1 | 2 |
| Scarlet Fever | 0 | 2 | 0 | 1 | 3 |
| Small Pox | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital) . . . | 0 | 0 | 0 | 0 | 0 |
| Syphilis | 0 | 0 | 0 | 0 | 0 |
| Septicæmia | 0 | 0 | 0 | 0 | 0 |
| Tonsilitis | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever | 6 | 3 | 5 | 2 | 16 |
| Whooping Cough | 14 | 3 | 2 | 2 | 21 |
| Zymotic Diseases | 49 | 14 | 20 | 20 | 103 |
| Cancer | 2 | 1 | 5 | 3 | 11 |
| Consumption | 9 | 13 | 12 | 17 | 51 |
| Marasmus | 4 | 1 | 2 | 1 | 8 |
| La Grippe | 1 | 1 | 6 | 2 | 10 |
| Meningitis | 0 | 2 | 2 | 2 | 6 |

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|-------------------------------|----------------|-----------------|----------------|-----------------|-------|
| Bright's Disease. | 0 | 3 | 0 | 0 | 3 |
| Bronchitis. | 3 | 1 | 3 | 0 | 7 |
| Heart Disease | 3 | 4 | 9 | 5 | 21 |
| Pneumonia | 2 | 5 | 17 | 7 | 31 |
| Accidents | 0 | 1 | 3 | 0 | 4 |
| Accidents on Railroads. . . . | 0 | 0 | 0 | 1 | 1 |
| Disease of the Brain. | 2 | 2 | 3 | 7 | 14 |
| Disease of the Bowels | 3 | 1 | 4 | 1 | 9 |
| General Debility. | 8 | 3 | 6 | 11 | 28 |
| Abcess in Head | 1 | 0 | 0 | 0 | 1 |
| Premature birth | 2 | 0 | 0 | 0 | 2 |
| Dropsy | 4 | 3 | 2 | 5 | 14 |
| Paralysis | 3 | 5 | 5 | 1 | 14 |
| Lung Fever | 1 | 0 | 0 | 0 | 1 |
| Asthma | 2 | 0 | 0 | 0 | 2 |
| Convulsions | 2 | 2 | 1 | 1 | 6 |
| Malarial Fever | 1 | 2 | 0 | 0 | 3 |
| Old Age. | 4 | 1 | 3 | 3 | 11 |
| Change of Life | 1 | 0 | 0 | 0 | 1 |
| Typhoid Pneumonia | 1 | 0 | 0 | 0 | 1 |
| All other diseases | 7 | 4 | 11 | 4 | 26 |
| Disease not stated | 11 | 11 | 7 | 8 | 37 |

| | | | | |
|----------------------------|-----|---|---|---|
| Total | 126 | | | |
| Congestive Chill | | 1 | 0 | 0 |
| Opium Poison | | 1 | 0 | 0 |
| Gastric Catarrh | | 2 | 0 | 0 |
| Tumor | | 1 | 0 | 0 |
| Bilious Fever | | 1 | 0 | 0 |
| Gunshot Wound | | 1 | 0 | 0 |
| Drowning | | 1 | 0 | 2 |

| | | | |
|------------------------------|----|---|---|
| Total | 88 | | |
| Typhus | | 1 | 0 |
| Scald | | 1 | 0 |
| Burned | | 1 | 0 |
| Catarrh | | 1 | 0 |
| Lung Fever | | 2 | 0 |
| Typho Malarial Fever | | 1 | 0 |

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|--|----------------|-----------------|----------------|-----------------|-------|
| Congestion of Lungs. | | | 1 | 0 | 1 |
| Total | | | 129 | | |
| Neglect | | | | 1 | 1 |
| Gastric Fever | | | | 1 | 1 |
| Disease of the Bladder | | | | 1 | 1 |
| Insanity | | | | 1 | 1 |
| Tuberculosis | | | | 2 | 2 |
| By a blow on the head | | | | 1 | 1 |
| Peritonitis | | | | 1 | 1 |
| Burned by a lamp | | | | 1 | 1 |
| Total | | | | 110 | |
| Total deaths in Kent county | | | | | 453 |
| Total deaths | | | | | 453 |
| Total births | | | | | 219 |
| Deaths over Births | | | | | 234 |
| TOTAL DEATHS IN THE COUNTY FOR THE YEAR ENDING JUNE 30TH, 1892. | | | | | |
| First Quarter | | | | | 126 |
| Second Quarter | | | | | 88 |
| Third Quarter | | | | | 129 |
| Fourth Quarter | | | | | 110 |
| Total | | | | | 453 |
| Zymotic diseases | | | | | 103 |
| All other Diseases | | | | | 350 |
| White | | | | | 328 |
| Colored | | | | | 115 |
| Total | | | | | 453 |
| Males | | | | | 223 |
| Females | | | | | 230 |

| | |
|---------------------------------|------------|
| Total | 453 |
| Born in United States | 447 |
| Foreign Born | 6 |
| Total | <u>453</u> |

BIRTHS.

| | |
|-------------------|------------|
| White | 187 |
| Colored | 32 |
| Total | <u>219</u> |
| Males | 110 |
| Females | 109 |
| Total | <u>219</u> |

MARRIAGES.

| | |
|--------------------------------------|------------|
| White | 156 |
| Colored | 8 |
| Total | <u>164</u> |
| Brought here for Interment | 18 |
| Still Born | 3 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year | 88 |
| From 1 to 5 years | 58 |
| From 5 to 10 years | 13 |
| From 10 to 20 years | 31 |
| From 20 to 30 years | 37 |
| From 30 to 40 years | 37 |
| From 40 to 50 years | 22 |
| From 50 to 60 years | 30 |
| From 60 to 70 years | 52 |
| From 70 to 80 years | 47 |
| From 80 to 90 years | 24 |
| From 90 to 100 years | 2 |
| Age, 105 years | 1 |
| Age not stated | 11 |

SUSSEX COUNTY.

Deaths for the quarter ending September 30th, 1891.

| | |
|-------------------------------------|----------|
| Alcoholism | 0 |
| Croup | 1 |
| Carbuncle | 0 |
| Cholera Morbus | 1 |
| Cholera Infantum | 4 |
| Cerebro Spinal Meningitis | 2 |
| Diarrhœa | 3 |
| Dysentery | 5 |
| Diphtheria | 6 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 1 |
| Remittent Fever | 0 |
| Rheumatism | 0 |
| Scarlet Fever | 1 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 3 |
| Whooping Cough | 0 |
| Total | <hr/> 27 |
| Cancer | 3 |
| Consumption | 29 |
| Marasmus | 2 |
| La Grippe | 1 |
| Bright's Disease | 2 |
| Bronchitis | 0 |
| Heart Disease | 6 |
| Pneumonia | 7 |
| Accidents | 1 |
| Accidents on Railroads | 0 |

| | |
|-------------------------------------|-----------|
| Disease of the Brain | 8 |
| Disease of the Bowels | 3 |
| Premature Birth | 1 |
| Drowned | 1 |
| General Debility | 5 |
| Hernia. | 1 |
| Killed by his brother | 1 |
| Paralysis | 1 |
| Dropsy | 3 |
| Hanged himself | 1 |
| Ulceration of rectum | 1 |
| Albuminuria | 1 |
| Convulsions. | 2 |
| Tetanus | 1 |
| Disease not stated. | 4 |
| All other diseases | 2 |
| Total | <hr/> 114 |
| White | 108 |
| Colored | 6 |
| Total | <hr/> 114 |
| Males | 67 |
| Females. | 47 |
| Total | <hr/> 114 |
| Born in the United States | 114 |

AGES OF THE DECEDENTS

| | |
|-------------------------------|----|
| Under 1 year | 22 |
| From 1 to 5 years | 8 |
| From 5 to 10 years | 3 |
| From 10 to 20 years | 4 |
| From 20 to 30 years | 5 |
| From 30 to 40 years | 11 |
| From 40 to 50 years | 8 |
| From 50 to 60 years | 6 |
| From 60 to 70 years | 18 |

| | |
|--------------------------------|----|
| From 70 to 80 years | 13 |
| From 80 to 90 years | 4 |
| From 90 to 100 years | 2 |
| Age not stated | 10 |

BIRTHS.

| | |
|-------------------|----|
| White | 69 |
| Colored | 6 |
| Total | 75 |
| Males | 39 |
| Females | 36 |
| Total | 75 |

MARRIAGES.

| | |
|--------------------------------------|----|
| White | 27 |
| Colored | 4 |
| Total | 31 |
| Brought here for interment | 2 |
| Still Born | 1 |

Deaths for the quarter ending December 31st, 1891.

| | |
|-------------------------------------|---|
| Alcoholism | 0 |
| Croup | 7 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 5 |
| Cerebro Spinal Meningitis | 1 |
| Diarrhœa | 0 |
| Dysentery | 2 |
| Diphtheria | 2 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |

| | |
|---------------------------------|---|
| Puerperal Fever | 0 |
| Pyæmia | 1 |
| Remmittent Fever | 0 |
| Rheumatism | 0 |
| Scarlet Fever | 1 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 7 |
| Whooping Cough | 0 |

| | |
|-----------------|----|
| Total | 25 |
|-----------------|----|

| | |
|----------------------------------|----|
| Cancer | 1 |
| Consumption | 21 |
| Marasmus | 4 |
| Tuberculosis | 1 |
| La Grippe | 4 |
| Bright's Disease | 2 |
| Bronchitis | 0 |
| Heart Disease | 3 |
| Pneumonia | 8 |
| Accidents | 0 |
| Accidents on Railroads | 0 |
| Disease of the Brain | 1 |
| Disease of the Bowels | 4 |
| Old Age | 4 |
| Albuminuria | 1 |
| Anæmia | 1 |
| Child Birth | 1 |
| Dropsy | 1 |
| General Debility | 1 |
| Disease not stated | 10 |
| All other diseases | 15 |

| | |
|-----------------|-----|
| Total | 108 |
|-----------------|-----|

| | |
|-------------------|----|
| White | 93 |
| Colored | 15 |

| | |
|-----------------|-----|
| Total | 108 |
|-----------------|-----|

| | |
|-------------------------------------|-----|
| Males | 56 |
| Females | 52 |
| Total | 108 |
| Born in the United States | 108 |

AGES OF THE DECEDENTS

| | |
|-------------------------------|----|
| Under 1 year | 14 |
| From 1 to 5 years | 12 |
| From 5 to 10 years | 7 |
| From 10 to 20 years | 13 |
| From 20 to 30 years | 6 |
| From 30 to 40 years | 11 |
| From 40 to 50 years | 5 |
| From 50 to 60 years | 8 |
| From 60 to 70 years | 11 |
| From 70 to 80 years | 10 |
| From 80 to 90 years | 5 |
| Age not stated | 6 |

BIRTHS.

| | |
|-------------------|----|
| White | 74 |
| Colored | 4 |
| Total | 78 |
| Males | 46 |
| Females | 32 |
| Total | 78 |

MARRIAGES.

| | |
|-------------------|----|
| White | 45 |
| Colored | 6 |
| Total | 51 |

Deaths for the quarter ending March 31st, 1892.

| | |
|----------------------|---|
| Alcoholism | 0 |
|----------------------|---|

| | |
|-------------------------------------|---|
| Croup | 6 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 3 |
| Cerebro Spinal Meningitis | 1 |
| Diarrhœa | 0 |
| Dysentery | 0 |
| Diphtheria | 4 |
| Erysipelas | 1 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 0 |
| Remittent Fever | 0 |
| Rheumatism | 0 |
| Scarlet Fever | 0 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 4 |
| Whooping Cough | 0 |

| | |
|-----------------|----|
| Total | 19 |
|-----------------|----|

| | |
|----------------------------------|----|
| Cancer | 0 |
| Consumption | 24 |
| Tuberculosis | 1 |
| Bright's Disease | 1 |
| Bronchitis | 0 |
| Heart Disease | 3 |
| Pneumonia | 20 |
| Accidents | 0 |
| Accidents on Railroads | 0 |
| Disease of the Brain | 8 |
| Disease of the Bowels | 0 |
| La Grippe | 17 |
| Drowned | 1 |
| Paralysis | 2 |
| Old Age | 5 |

| | |
|---------------------------------|-----|
| Hepatitis | 1 |
| Abcess of Lungs | 1 |
| Typhoid Pneumonia | 1 |
| Scrofula | 1 |
| Malaria | 1 |
| Bilious Fever | 1 |
| Disease of Bladder | 1 |
| All other diseases | 10 |
| Disease not stated. | 12 |
| Total | 130 |
| White | 118 |
| Colored. | 12 |
| Total | 130 |
| Males | 59 |
| Females. | 71 |
| Total | 130 |
| Born in United States | 129 |
| Foreign Born | 1 |
| Total | 130 |

AGES OF THE DECEDENTS.

| | |
|--------------------------------|----|
| Under 1 year | 7 |
| From 1 to 5 years | 14 |
| From 5 to 10 years | 5 |
| From 10 to 20 years | 10 |
| From 20 to 30 years | 12 |
| From 30 to 40 years | 5 |
| From 40 to 50 years | 14 |
| From 50 to 60 years | 12 |
| From 60 to 70 years | 15 |
| From 70 to 80 years | 15 |
| From 80 to 90 years | 7 |
| From 90 to 100 years | 4 |
| Age not stated | 10 |

BIRTHS.

| | |
|-------------------|-------|
| White | 136 |
| Colored | 17 |
| | <hr/> |
| Total | 153 |
| Males | 76 |
| Females | 77 |
| | <hr/> |
| Total | 153 |

MARRIAGES.

| | |
|-------------------|-------|
| White | 86 |
| Colored | 3 |
| | <hr/> |
| Total | 89 |

Deaths for the quarter ending June 30th, 1892.

| | |
|-------------------------------------|---|
| Alcoholism | 0 |
| Croup | 0 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 3 |
| Cerebro Spinal Meningitis | 0 |
| Diarrhœa | 0 |
| Dysentery | 1 |
| Diphtheria | 0 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia | 0 |
| Remittent Fever | 0 |
| Rheumatism | 0 |
| Scarlet Fever | 2 |
| Small Pox | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis | 0 |

| | |
|----------------------------------|----|
| Septicæmia | 0 |
| Tonsillitis | 0 |
| Typhoid Fever | 1 |
| Whooping Cough | 4 |
| Total | 11 |
| Cancer | 0 |
| Consumption | 10 |
| La Grippe | 2 |
| Marasmus | 1 |
| Bright's Disease | 1 |
| Bronchitis | 1 |
| Heart Disease | 2 |
| Pneumonia | 6 |
| Accidents | 0 |
| Accidents on Railroads | 0 |
| Disease of the Brain | 2 |
| Disease of the Bowels | 2 |
| Dropsy | 1 |
| Old Age | 4 |
| Burn | 1 |
| Paralysis | 3 |
| Laryngitis | 1 |
| Tumor in the Throat | 1 |
| Convulsions | 1 |
| All other diseases | 2 |
| Disease not stated | 6 |
| Total | 58 |
| White | 44 |
| Colored | 14 |
| Total | 58 |
| Males | 26 |
| Females | 32 |
| Total | 58 |
| Born in United States | 58 |

AGES OF THE DECEDENTS.

| | |
|-------------------------------|----|
| Under 1 year | 6 |
| From 1 to 5 years | 6 |
| From 5 to 10 years | 3 |
| From 10 to 20 years | 5 |
| From 20 to 30 years | 5 |
| From 30 to 40 years | 5 |
| From 40 to 50 years | 3 |
| From 50 to 60 years | 6 |
| From 60 to 70 years | 2 |
| From 70 to 80 years | 11 |
| From 80 to 90 years | 2 |
| Age not stated | 4 |

BIRTHS.

| | |
|-------------------|----|
| White | 27 |
| Males | 16 |
| Females | 11 |
| Total | 27 |

MARRIAGES.

| | |
|--------------------------------------|----|
| White. | 23 |
| Colored | 3 |
| Total | 26 |
| Brought here for Interment | 2 |

RECAPITULATION

*Of Marriages, Births and Deaths in Sussex County for the year
ending June 30th, 1892.*

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|---------------------------------|----------------|-----------------|----------------|-----------------|-----------|
| Alcoholism | 0 | 0 | 0 | 0 | 0 |
| Croup | 1 | 7 | 6 | 0 | 14 |
| Carbuncle | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus | 1 | 0 | 0 | 0 | 1 |
| Cholera Infantum | 4 | 5 | 3 | 3 | 15 |
| Cerebro Spinal Meningitis . | 2 | 1 | 1 | 0 | 4 |
| Diarrhoea | 3 | 0 | 0 | 0 | 3 |
| Dysentery | 5 | 2 | 0 | 1 | 8 |
| Diphtheria | 6 | 2 | 4 | 0 | 12 |
| Erysipelas | 0 | 0 | 1 | 0 | 1 |
| Intermittent Fever | 0 | 0 | 0 | 0 | 0 |
| Measles | 0 | 0 | 0 | 0 | 0 |
| Purpura | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever | 0 | 0 | 0 | 0 | 0 |
| Pyæmia | 1 | 1 | 0 | 0 | 2 |
| Remittent Fever | 0 | 0 | 0 | 0 | 0 |
| Rheumatism | 0 | 0 | 0 | 0 | 0 |
| Scarlet Fever | 1 | 0 | 0 | 2 | 3 |
| Small Pox | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital) . . . | 0 | 0 | 0 | 0 | 0 |
| Syphilis | 0 | 0 | 0 | 0 | 0 |
| Septicæmia | 0 | 0 | 0 | 0 | 0 |
| Tonsilitis | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever | 3 | 7 | 4 | 1 | 15 |
| Whooping Cough | 0 | 0 | 0 | 4 | 4 |
| Zymotic Diseases | 27 | 25 | 19 | 11 | 82 |
| Cancer | 3 | 1 | 0 | 0 | 4 |
| Consumption | 29 | 21 | 24 | 10 | 84 |
| Marasmus | 2 | 4 | 0 | 1 | 7 |
| Meningitis | 0 | 0 | 0 | 0 | 0 |
| La Grippe | 1 | 4 | 17 | 2 | 24 |

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|---------------------------------|----------------|-----------------|----------------|-----------------|-------|
| Bright's Disease | 2 | 2 | 1 | 1 | 6 |
| Bronchitis | 0 | 0 | 0 | 1 | 1 |
| Heart Disease | 0 | 3 | 3 | 2 | 14 |
| Pneumonia | 7 | 8 | 20 | 6 | 41 |
| Accidents | 1 | 0 | 0 | 0 | 1 |
| Accidents on Railroads | 0 | 0 | 0 | 0 | 0 |
| Disease of the Brain | 8 | 1 | 8 | 2 | 19 |
| Disease of the Bowels | 3 | 4 | 0 | 2 | 9 |
| Premature birth | 1 | 0 | 0 | 0 | 1 |
| Drowning | 1 | 0 | 1 | 0 | 2 |
| General Debility | 5 | 1 | 0 | 0 | 6 |
| Hernia | 1 | 0 | 0 | 0 | 1 |
| Killed by his Brother | 1 | 0 | 0 | 0 | 1 |
| Paralysis | 1 | 0 | 2 | 3 | 6 |
| Dropsy | 3 | 1 | 0 | 1 | 5 |
| Hanged Himself | 1 | 0 | 0 | 0 | 1 |
| Ulceration of Rectum | 1 | 0 | 0 | 0 | 1 |
| Albuminuria | 1 | 1 | 0 | 0 | 2 |
| Convulsions | 2 | 0 | 0 | 1 | 3 |
| Tetanus | 1 | 0 | 0 | 0 | 1 |
| Old Age | 0 | 4 | 5 | 4 | 13 |
| Anæmia | 0 | 1 | 0 | 0 | 1 |
| Hepatitis | 0 | 0 | 1 | 0 | 1 |
| Disease not stated | 4 | 10 | 12 | 6 | 32 |
| All other diseases | 2 | 15 | 10 | 2 | 29 |
| Total | 114 | | | | |
| Child Birth | | 1 | 0 | 0 | 1 |
| Tuberculosis | | 1 | 1 | 0 | 2 |
| Total | 108 | | | | |
| Abcess of Lungs | | | 1 | 0 | 1 |
| Typhoid Pneumonia | | | 1 | 0 | 1 |
| Scrofula | | | 1 | 0 | 1 |
| Malaria | | | 1 | 0 | 1 |
| Bilious Fever | | | 1 | 0 | 1 |
| Disease of Bladder | | | 1 | 0 | 1 |
| Total | 130 | | | | |
| Burn | | | | 1 | 1 |

| | First quar. | Second quar. | Third quar. | Fourth quar. | Total |
|---|----------------|-----------------|----------------|-----------------|-------|
| Laryngitis | | | | 1 | 1 |
| Tumor in the Throat | | | | 1 | 1 |
| Total | | | | 58 | |
| Total deaths in Sussex county | | | | | 410 |

TOTAL DEATHS IN SUSSEX COUNTY FOR THE YEAR ENDING JUNE
30TH, 1892.

| | |
|---------------------------------|-----|
| First Quarter | 114 |
| Second Quarter | 108 |
| Third Quarter | 130 |
| Fourth Quarter | 58 |
| Total | 410 |
| Zymotic diseases | 82 |
| All other Diseases | 328 |
| Total deaths | 410 |
| Total births | 333 |
| Deaths over Births | 77 |
| White | 363 |
| Colored | 47 |
| Total | 410 |
| Males | 208 |
| Females | 202 |
| Total | 410 |
| Born in United States | 409 |
| Foreign Born | 1 |
| Total | 410 |
| BIRTHS. | |
| White | 306 |

| | |
|-------------------|-----------|
| Colored | 27 |
| Total | <hr/> 333 |
| Males | 177 |
| Females | 156 |
| Total | <hr/> 333 |

MARRIAGES.

| | |
|-------------------|-----------|
| White | 181 |
| Colored | 16 |
| Total | <hr/> 197 |

AGES OF THE DECEDENTS

| | |
|--------------------------------------|----|
| Under 1 year | 49 |
| From 1 to 5 years | 39 |
| From 5 to 10 years | 18 |
| From 10 to 20 years | 32 |
| From 20 to 30 years | 28 |
| From 30 to 40 years | 32 |
| From 40 to 50 years | 30 |
| From 50 to 60 years | 32 |
| From 60 to 70 years | 46 |
| From 70 to 80 years | 49 |
| From 80 to 90 years | 18 |
| From 90 to 100 years | 6 |
| Age not stated | 30 |
| Brought here for interment | 4 |
| Still Born | 1 |

Eighth Biennial Report

OF THE

Board of Health

OF THE

State of Delaware.

1892=1894.

1895:
THE INDEX JOB PRINT,
DOVER, DEL.

Eighth Biennial Report

OF THE

Board of Health

OF THE

State of Delaware.

1892=1894.

1895:
THE INDEX JOB PRINT,
DOVER, DEL.

EIGHTH BIENNIAL REPORT
OF THE
BOARD OF HEALTH
OF THE
STATE OF DELAWARE.

WILMINGTON, DEL., December 27th, 1894.

To His Excellency,

ROBERT J. REYNOLDS,

Governor of the State of Delaware.

SIR: I have the honor to present to you, in compliance with the laws of the State, the Eighth Biennial Report of the State Board of Health, for the fiscal years from June 30th, 1892, to June 30th, 1894.

Very Respectfully,

EDMUND B. FRAZER,

Secretary State Board of Health.

CIRCULAR NO. 6.

OFFICE OF STATE BOARD OF HEALTH,
WILMINGTON, DELAWARE.

DR. E. W. COOPER, PRESIDENT,
Camden, Delaware.

E. B. FRAZER, SECRETARY,
Wilmington, Delaware.

EXTRACT FROM THE LAWS OF DELAWARE.

(REVISED CODE.)

CHAPTER XLVI.

TO PREVENT THE SPREAD OF CONTAGEOUS DISEASES.

HEALTH OFFICERS.

SECTION 1. The governor shall appoint three physicians in each county, to be health officers for such county.

SEC. 2. No master or person having charge of any vessel bound to any port in this State, having on board more than forty persons, or any one sick with any infectious disease, or coming from any sickly port, shall bring his vessel, or permit it to be brought, nearer to any place of landing than one mile; nor shall he land, or permit to be landed, at any place in this State, any person, or any goods, until he shall have obtained a permit in writing from the health officer nearest the place of landing, under the penalty of one thousand dollars.

SEC. 3. It shall be the duty of the health officer upon notice being given to him by the master, or person

having charge of such vessel, to go on board the same, and diligently inquire and examine respecting the persons on board, and the condition of the cargo. And if any master or persons having charge of such vessel, shall, during the voyage, have had, or shall then have, on board, any person sick with any infectious disease, and shall knowingly conceal the same from said health officer, he shall forfeit and pay one hundred dollars. The health officer shall give information of this penalty, and may administer an oath to any person on board, to answer truly all such questions as he shall put on the subject.

His fee for these services, shall be ten dollars, to be paid by the master, owner, or consignee of the vessel.

SEC. 4. If the health officer shall refuse to permit the landing of persons, or goods, from any such vessel, he shall forthwith make report thereof to the mayor of the city of Wilmington, if the vessel is bound to that port; or, in any other case, to two justices of the peace residing nearest to the place where such vessel is; and the said mayor, with the advice of the city council, or the said justices, with the advice of the nearest town commissioners, are authorized and required, under such regulations as may seem most consistent with the public health and safety, to grant a written license to the owner, consignee, master, or person in charge of said vessel, for the landing of any of such sick persons, as the person to whom such license is granted, shall provide with suitable accommodations. The fee for such license shall be two dollars.

SEC. 5. If any person shall go on board such vessel, before a landing permit shall have been obtained from the health officer, without the special license of such

officer, he shall forfeit and pay ten dollars for every such offense.

SEC. 6. No master, or person having charge of any vessel bound to any port in this State, shall bring any more passengers than shall be well supplied with wholesome meat, drink, and other necessaries for the voyage; nor shall bring more passengers than one for every two tons, custom house measurement, of said vessel, (estimating two children, between five and twelve years old, as one full passenger) under penalty of six hundred dollars for such offense; and the health officer, on visiting any vessel, shall inquire into this matter, and forthwith cause suit to be brought for any violation of this section.

INTERCOURSE WITH INFECTED PLACES.

SEC. 7. The mayor and city council of Wilmington, with the advice of the nearest health officer, and two justices of the peace in any other town or hundred of the State, with the advice of the nearest town commissioners, and health officer, are respectively authorized and empowered, on receiving information of the prevalence of any infectious disease in any port or place, to make that fact known by proclamation; and thereby to order that no vessel bound from, or which may have touched at such infected place, shall be brought nearer to said city than the mouth of the Christiana river, or nearer to the port or place of landing, designated for such town or hundred, than one mile; and that no person, or goods, be landed from any such vessel; and all persons on board said vessel, shall be subject to such quarantine, and other cautionary measures, as the said proclamation shall prescribe: *provided*, that vessels bound further up the said Christiana river may, notwithstanding such proclamation, pass the said city, if

they do not land any person, or goods, within one mile thereof, or cast anchor within one mile, except in stress of weather or other unavoidable necessity.

The penalty for any violation of this section, or for resisting or violating any proclamation, or regulation made under it, shall be five hundred dollars.

SEC. 8. After proclamation so issued, the officers issuing the same, with the advice aforesaid, shall respectively have full power and authority, by further proclamation, to suspend altogether, during the prevalence of such infectious disorder, the intercourse by land between such infected place and the said city, town, or hundred, or to impose such regulations and restrictions thereon, as may be deemed necessary to the public health and safety.

And any person disobeying such prohibition, or violating such regulations and restrictions, shall forfeit and pay three hundred dollars.

SEC. 9. The owners, consignees, master, and person in charge of any such vessel, and the owner and driver of any carriage, or horse, used for conveying passengers or goods, as well as such vessel, carriage and horse, violating, or used in the violation of this chapter, shall be liable for any penalty it imposes; and such vessel, carriage, or horse, may be seized by the sheriff by virtue of process issued to him by any prothonotary of the Superior Court in any suit brought for such penalty, and may be kept until sufficient special bail shall be entered to such action; and if bail be not so entered within one month from such seizure, and notice thereof to such master, owner, or consignee, the property so seized may, by order of said court, or any judge thereof, be sold by the sheriff, in the same manner, and upon like notice,

as property seized and sold on execution process; and the proceeds of sale shall be brought into the Superior Court, to abide the event of any action there commenced for any of the said penalties.

SEC. 10. If any person, travelling on foot from any infected place, shall, after proclamation issued, enter any place in this State contrary to such proclamation, or shall violate the regulations and restrictions thereby imposed, he shall forfeit and pay forty dollars.

SEC. 11. All civil officers of the State are required, on request made, to aid and assist in the execution of the provisions of this chapter; and if it be deemed necessary by the officers charged with its execution, they may command and require the aid of the *posse comitatus* for the purpose.

SEC. 12. All forfeitures and penalties incurred under this chapter, shall be sued for and recovered in the name of the State, which suit shall be brought by the attorney general, at the request of any health officer; and one-fourth of the amount recovered shall belong to such health officer, and the balance to the trustees of the poor of the county where suit is brought.

SEC. 13. All suits for such penalties or forfeitures, shall be commenced within six months next after forfeiture or penalty incurred, and not after.

LOCAL BOARDS OF HEALTH IN DELAWARE.

NEW CASTLE COUNTY.

WILMINGTON.

Dr. John P. Wales, President,
W. R. C. Colquhoun, Secretary,
Dr. Willard Springer, Port Physician,
J. H. Lewis, Treasurer,
Joseph Jenkins, Plumber.

NEWARK.

Dr. H. G. M. Kollock, President,
Wilbur Wilson, Secretary.
William Cooch,
Joseph H. Caleb,
James A. Wilson.

MIDDLETOWN

T. H. Gilpin, D. D. S., President.
Thomas J. Budd, Secretary,
D. L. Dunning,
Dr. Edward Nowland,
Dr. Irving S. Vallandigham.

NEW CASTLE—NO BOARD OF HEALTH.

L. E. Elliason, Chairman Health Committee.

ODESSA.

Dr. W. V. Woods, President,
W. W. Walker, Secretary.

Wm. Johnson,
Geo. W. Polk,
Z. T. Athely.

TOWNSEND.

Dr. Thomas A. Enos, President,
D. P. Hutchinson, Secretary,
Thomas Maloney,
Walter E. Hart,
C. F. Husbands.

KENT COUNTY.

SMYRNA.

Dr. J. R. McCausland, President,
L. M. Price, Secretary,
Benj. A. Hazel,
E. G. Walls,
C. C. Adams.

DOVER.

Hon. J. A. Nicholson, President,
John McGonigal, Secretary,
H. L. Knight, Treasurer,
Dr. H. L. Lewis,
Samuel Wharton,
Dr. P. S. Downes, Physician to the Board.

CAMDEN.

Dr. Luther S. Conwell, President,
Hezekiah Cullen,
Wm. L. Stubbs.

LEIPSIC.

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W. P. Hutson,
W. H. Rawley,
Jefferson Campbell.

HARRINGTON.

Dr. J. D. West, President,
 Dr. R. T. Barber,
 Wm. Shaw,
 A. C. Clymer,
 T. H. George,
 E. M. Clymer.

WYOMING TOWN COMMISSIONERS.

Elwood Jenkins,
 Dr. J. McColly,
 J. V. McCommons.

SUSSEX COUNTY.

MILFORD.

Dr. John O. Pierce, President,
 Philip S. Graham, Secretary,
 G. W. Joseph.

SEAFORD.

J. R. Cook, President,
 H. M. Wright,
 J. Webster Cox,
 Thomas Scott,
 Dr. Evert Shipley.

LAUREL.

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 J. S. Henry, Secretary,
 Dr. Wm. E. Wolf,
 G. E. Smith,
 N. B. Hearn.

MILTON.

Dr. R. B. Hopkins, President,
 W. R. Ingram, Secretary,
 Dr. Robert H. T. Wilson.

LEWES.

Dr. David Hall,
Dr. Wm. R. Burton,
S. P. Hews,
Edward Russell,
Robert Scott.

BRIDGEVILLE.

Dr. L. M. Cahall, President,
J. B. Stitson, Secretary,
R. W. Cannon.

THE GENERAL ASSEMBLY OF THE STATE OF DELAWARE.

To Edmund B. Frazer, Secretary of the State Board of Health, for making and compiling the Eighth Bien-nial Report, \$50.00.

There is no salary fixed by law for the pay of the Secretary, nor for the Register of Vital Statistics. See Act of 1893.

Wilmington, Del., December 27th, 1894.

MEETINGS OF THE BOARD.

A special meeting of the board was held in Wilmington, on August 18th, 1892, at the Central Hotel. The meeting was held at the instance of the Delaware Quarantine Committee, consisting of Dr. William P. Orr, of Lewes; Edward R. Cochran and Thomas J. Budd, of Middletown. Mr. Budd is secretary of the committee.

Members of the State Board of Health present: Dr. Alexander Lowber, Wilmington; Dr. William T. Skinner, Glasgow; Dr. Irving S. Vallandigham, Middletown; Dr. Albert Whiteley, Frederica; Dr. Robert G. Ellegood, Concord; Dr. E. W. Cooper, President, Camden.

Quarantine Committee—This committee was appointed by Robert J. Reynolds, Governor of Delaware. Present: Thomas J. Budd, Middletown; E. R. Cochran, Middletown.

The Board of Health of Wilmington present: Dr. Evan G. Shortlidge, President; W. C. R. Colquhoun, Secretary; Dr. Willard Springer, Port Physician; Dr. A. E. Frantz.

Present from Pennsylvania: Andrew Osborn, Quarantine Commissioner, Boothwyn, Pa.; Joseph R. Coates, Mayor of Chester, Pa.; Dr. J. L. Forwood, Chester, Pa.; Ward R. Bliss, State Senate, Pa.

Dr. E. W. Cooper, president, called the meeting to order at 11 o'clock, a. m., and briefly explained the object of the meeting.

Mr. J. Thomas Budd, Secretary of the Delaware Quarantine Commission, addressed the meeting at length on the subject under discussion namely, the removal of the Lazaretto from its present location to some point on the Delaware river. He said that the committee had inspected every point on the Delaware as far as Lewes, and the only available place was Bombay Hook, the other places inspected were useless because of shallow water, not of sufficient depth to admit large ships. He said the committee had visited and inspected the quarantine stations of New York, Boston, and other points, and they were convinced that Bombay Hook was the only place on the Delaware suitable to establish a quarantine station, and it had all the points requisite, as to depth of water, isolation from the main land, and ten miles long by about two and one-half wide.

The Pennsylvania delegation presented their side of the subject in a very able manner, which was that the location of the Lazaretto as it now existed, was surrounded by a thickly settled population and that the time was at hand for its removal to some point on the Delaware river near the Delaware Breakwater.

The State Board of Health and the local Board of Health of Wilmington, took part in the discussion, and this being the first meeting held by the joint representatives of the States of Delaware and Pennsylvania, they were unable to decide upon a site on the Delaware river for the establishment of a quarantine station at present. The whole subject was discussed in a spirited but friendly manner. The meeting took a recess at 1.30 o'clock till 2 o'clock, p. m., for dinner. At 2 o'clock President Cooper called the meeting to order and the discussion was resumed for an hour, when Dr. Skinner moved that

the Board of Health of the State of Delaware adjourn to meet at Bombay Hook at an early date. The motion was lost. It was agreed that the President, Dr. Cooper, be authorized to call a special meeting of the board during the month of October next, for the purpose of taking action on this important subject as presented by the Delaware Quarantine Committee, by authority of the Governor of the State of Delaware. Adjourned.

A special meeting of the board was held in Dover at the Capitol Hotel, on the evening of November 28th, 1892.

Members present—Drs. Lowber, Skinner, Vallandigham, Mustard and Ellegood.

The board organized at 8 o'clock, p. m., by calling Dr. Lowber to the chair. The secretary read his address to the governor, giving a brief review of the work of the board for the past two years.

On motion of Dr. Ellegood the paper was referred to committee of two members, the chair appointed the following gentlemen: Dr. David L. Mustard, Dr. Irving S. Vallandingham.

The evening was spent in discussing the subject of a quarantine site on the Delaware river. No action was taken. On motion the board adjourned.

E. B. FRAZER, Secretary.

A stated meeting of the board was held in Dover at the Capitol Hotel, November 29th, 1892.

Members present—Drs. Lowber, Skinner, Ellegood, and Mustard.

In the absence of the President, Dr. Cooper, on motion of Dr. Mustard Dr. Lower was called to the chair.

He called the meeting to order at 10.30 a. m. The minutes of the last meeting were read and approved. The secretary submitted the financial state of the board to August 18th, 1892. There is due the board \$564.71. Examined and found to be correct, November 28th, 1892.

Signed, JOHN P. DULANEY, State Auditor.

Dr. Skinner, a committee of one on heating and ventilating school houses, submitted his report. On motion of Dr. Vallandigham the report was accepted, and that the paper be published in the seventh biennial report of the board. The motion was adopted.

On motion of Dr. Ellegood, the resolution adopted May 31st last, authorizing the chair to appoint an auditing committee and a committee on revision and publication, be merged into one committee, and that the chair now appoint said committee. The motion was adopted and the chair appointed the following gentlemen: Drs. Vallandigham, Mustard and Cooper.

The chair appointed a Legislative Committee as follows: Dr. Robert G. Ellegood, Dr. David L. Mustard, Dr. E. W. Cooper and Dr. William T. Skinner.

The secretary read the business done and complaints received since the last stated meeting.

June 13th, 1892, John W. Mitchell, of Stanton, presented a complaint against Chandler & Dickey in Stanton. Stench from a piggery and sour milk in the village of Stanton. June 13th, notified them to abate the nuisance. They reported June 14th and said they would do so.

Your secretary received a paper from G. Frazer, acting Consul General of her Britanic Majesty's Consulate General, dated New York, June 1st, 1892.

Twelve queries were submitted and replies requested.

Subjects: Still Births in the State of Delaware, and the law in relation thereto. The law in regard to abortion in this State, this query was not answered by your secretary but he was referred to the secretary of the Delaware State Medical Society. Mr. Frazer acknowledged the receipt of my replies, thanking me for the replies, and for a copy of the Sixth Biennial report of our board.

[SIGNED]

G. FRAZER,

Acting Consul General.

New York, June 18th, 1892.

June 24th, 1892, a complaint was made by petition signed by twelve tax payers of the town of Bridgeville, complaining against stench from the canning plant of H. P. Cannon. Your secretary notified Mr. Cannon of the complaint. He replied that he courted an investigation. No action taken at present.

Smallpox scare in Sussex county. From the *Every Evening*, a newspaper published in Wilmington.

Bethel, June 27th, 1892.—Your secretary notified J. B. Conway, clerk of school district No. 99, and W. T. Moore, clerk of school district No. 164, to report to your secretary, and to see the resident physician. They replied at once and said the reports were false.

July 7th, 1892, W. C. R. Colquhoun, secretary of the local Board of Health of Wilmington, reported in writing that the Brandywine river at Cossart and Chadd's Ford, in the State of Pennsylvania, was being polluted with sour milk and refuse from the creameries at these places. Your secretary notified Dr. Benjamin Lee, secretary of the State Board of Health of Pennsylvania, who replied August 9th, that an investigation was made and careful precautions were being taken at both

creameries to prevent pollution of the Brandywine river at these points. The correspondence was filed.

July 30th, 1892, Peter Clever, of Delaware City, complained of noisome privies near his residence in said town. Same date notified the owners to abate forthwith; also notified Eugene Reybold, Mayor of said town.

A complaint from A. G. Taylor, residing on the Wilmington causway, dated July 7th, 1892. Stench from night soil pits. Referred to the local Board of Health in Wilmington.

Your secretary begs leave to report that he mailed a copy of the resolutions adopted May 31, 1892. Subject: Powers of the board to enforce the laws for the preservation of the public health, to Hon. John R. Nicholson, Attorney General of the State, for his opinion.

HIS REPLY.

DOVER, DEL., November 26th, 1892.

E. B. FRAZER, ESQ., Sec. State Board of Health.

My Dear Sir :

In reply to your request for my opinion upon the extent of the power of the State Board of Health in certain matters set forth in a resolution of the board, was duly transmitted to me. I beg leave to say that after a careful examination of the statutes relating to the subject, I am satisfied that your power to enforce the compulsory vaccination of school children and to procure from certain institutions, public resorts, the information specified in the statutes, is so limited, in consequence of defects in the statutes, that I should advise you not to raise any issue upon these powers, but to apply to the General Assembly at its next session for further legislation. In all other respects you seem to be

sufficiently fortified, and it is only on the points I have mentioned that I see no way for the practical enforcement of the conferring powers upon you.

Yours respectfully,

[SIGNED]

J. R. NICHOLSON.

CHRISTIANA.

August 17th, 1892, A. G. Webber, of Christiana, complained of some half dozen privy wells that were placed over a small rivalet in the rear of a number of houses, there is no wells under the privy house and the excrement, together with kitchen refuse is emptied into this rivalet and is carried by the water into the public street, and is noisome and dangerous to the health of the people residing near this outlet and street. August 25th, 1892, your secretary was furnished with the names of the property owners creating and maintaining the nuisance. Letter filed.

August 29th, 1892, Your secretary, in company with Dr. Lowber, visited Christiana and inspected the place, and we adjudged the privies to be nuisances prejudicial to the health of the people residing in said town.

The following is a copy of the notice served on each owner of the properties:

BOARD OF HEALTH OF THE STATE OF DELAWARE.

Sir :—The condition and location of the out-houses used as a privy in the yard of your premises in the town of Christiana, county of New Castle, in the State of Delaware, has been adjudged by the Board of Health of the State of Delaware, to be a nuisance prejudicial to the health of the people of said town, and in violation of the law for the preservation of the public health in the State of Delaware. You are hereby notified to

abate the nuisance within two months from the 31st day of August, 1892. In case of refusal to obey said order proceedings will be taken according to law.

EDMUND B. FRAZER, Secretary.

Wilmington, Del., August 30th, 1892.

Since August 30th, 1892, your secretary has received several letters from William R. Lynam, complaining of the stench in this drain which flows through his yard and into the public street.

The petitioners aver that the whole trouble in this case is caused by a spring in the property of Mr. Smalley which has been drained under the public road, and a small ditch has been made in the rear of the properties on the main street so that the water from the spring mentioned and all the kitchen slop and wash water, together with the urine and dejections flowed from one yard to another, until it reached the property of William R. Lynam, a ditch had been digged through the middle of his lot in order to carry all this waste out into the public street, thereby annoying those residing in that locality from the vile odor from this protestant refuse. The case was taken to an attorney by Mr. Lynam after the out-houses were removed. In the opinion of the State Board of Health, this spring should be drained into the street gutters and not through private property.

EDGE MOOR.

Your secretary received a complaint on September 7th, 1892, complaining of the filthy condition of the out-houses and garbage boxes. Dr. Lowber and your secretary visited the village of Edge Moor and inspected the places complained of and found that there was great need of a cleaning up and the removal of this waste. Same date your secretary notified the Edge Moor Iron

Company of the condition of the village. They own all the property and houses in their village.

September the 9th, 1892, your secretary received the following reply :

EDGE MOOR, September 9th, 1892.

E. B. FRAZER, Sec. State Board of Health, Wilmington, Delaware.

Dear Sir : We are in receipt of your letter of September 7th, and regret to note that you had occasion to complain of the condition of the houses at Edge Moor; it was unknown to us, and we have given instructions to have the difficulties remedied. Yours truly,

EDGE MOOR IRON CO.

[SIGNED.]

WILLIAM T. SELLERS, Secretary.

The report was accepted and ordered to be filed.

STANTON.

September 13th, 1892, a complaint was received from Lewis Hamilton and Thomas Dickson of the village of Stanton. They are tenants of Mr. Pritchard and they complained of the drinking water in the well or wells on the property of said Verdin Pritchard. Same date notified Mr. Pritchard. September 17th Mr. Pritchard called upon your secretary and promised to attend to the wells.

September 17th, 1892, Ashton R. Tatum and others complained of stench and vile odor from the garbage dump on the Lancaster pike, about a half-mile beyond the city limits. The contractor is Mr. Fagan. The land upon which the garbage is dumped is owned by the contractor and near a number of dwelling houses on small farms. The occupants of these dwelling houses allege that they are annoyed very much for at least five

months in the year, and the petitioners aver that they have made repeated complaints to the local Board of Health in Wilmington who have jurisdiction over this dump, yet they can get no redress. This annoyance is of several years standing. Your secretary laid the subject before the Attorney-General for advice. He said we had power to act, that in case the Board of Health of the city of Wilmington refused to take action and make an effort at least to give the petitioners relief from the vile odor caused by the garbage. October 6th, 1892, Dr. Lowber and your secretary made an inspection of the place where the garbage was dumped; we found about 300 hogs at large on several acres of high dry ground. We found no nuisance, no noisome smell, in fact the place was in good condition. The report was accepted.

September 9th, 1892, Philip S. Graham complained to your secretary that his well water was polluted by tomato refuse percolating through the soil from at least 50 tons of tomato refuse stored in an iron tank some distance above his dwelling house in the town of Milford. Mr. Graham sent to your secretary a four ounce bottle filled with water from his well and requested that it be analyzed. Your secretary handed the bottle over to Frank Roop Smith, chemist.

THE CHEMIST'S REPORT.

PHILIP S. GRAHAM, J. P., Milford, Delaware.

Dear Sir: I examined the water received through Mr. E. B. Frazer from you and pronounce it unfit for drinking or household purposes. The trouble is undoubtedly due to the tomatoes of which you write, as it contains the acids and ethers peculiar to them, showing clearly the source of contamination. To make a com-

plete analysis it would be necessary for me to have a larger quantity than you sent, but for the purpose desired the quantity sent was sufficient, and it would be useless for you to go to the expense of a complete analysis. [SIGNED.] FRANK R. SMITH.

October 1st, 1892.

November 5th, 1892, William P. Richardson and John B. McCallister complained of the drainage from a club house in Elsemere flowing upon the land of Mr. Richardson in front or side of the dwelling house occupied by his tenant. The drainage was noisome. McCallister complained of a small stream which is located in the northwest part of the town and from which he received his drinking water was polluted by the drainage from a number of dwellings in said town near the city of Wilmington. Your secretary made an inspection November 15th, 1892, and found the complaints to be true. The persons owning the drains were notified to abate. The officers of the club were notified. November 22d, 1892, your secretary received a letter from John P. Nields, attorney for the club, stating that he would lay the matter before the club at its next meeting and notify me of the result of the meeting immediately. I did not hear from him. The report was accepted.

The secretary read a number of letters as follows:

G. W. W. Naudain, of Middletown, Delaware. Subject: Their water supply.

C. T. Gilman, of Milford. Subject: Certain diseases prevailing there.

J. R. O'Berine, New York. Subject: Immigration, destination of one immigrant, Wilmington, Del.

F. W. Bower, M. D., Chicago. Subject: Bureau of

Hygiene and Sanitation. Space for Exhibits for States and Cities.

S. Gache, M. D., of Buenos Ayers, April 4th, 1892. Subject: Typhoid fever in Delaware. Mailed him the Sitxh Biennial Report of the State Board of Health.

Joseph F. Edwards, M. D., Board of Health of Pennsylvania. Subject: Sanitary days by Legislative enactment.

Dr. Arthur T. Neal, Director Delaware College Agricultural Experiment Station. Subject: Consumption in Delaware for the years 1890-1891. Supplied him.

Dr. C. G. Harmonson, Clayton, Del. Subject: Vaccination of school children. Number of pupils attending the school in district No. 79. Number he vaccinated 48.

C. O. Probst, M. D., Secretary National Conference of State Boards of Health, Columbus, Ohio, Oct. 7th, 1892. Subject: A special assessment of \$30.00. This letter was laid on the table.

On motion of Dr. Ellegood, the secretary was directed to pay Dr. Henry B. Baker, of Lansing, Mich., ten dollars, our annual assessment for the National Conference of State Boards of Health. A number of other letters were read and all were ordered to be filed.

On motion of Dr. Mustard, the secretary was allowed \$300 for his services for the past 6 months, and \$56.94 for his expenses, bill itemized. An order was directed to be drawn for the amount, \$356.94.

Adjourned.

E. B. FRAZER, Secretary.

DOVER, DEL., December 2d, 1892.

The committee on revision and publication met in

Dover on the above date. Present—Dr. Mustard and Dr. E. W. Cooper.

The secretary submitted the Seventh Biennial report of the board which was examined and approved. The secretary was directed to send said report to His Excellency Robert J. Reynolds, Governor of Delaware. Sent by Adams Express Co., December 9th, 1892.

On motion adjourned.

E. B. FRAZER, Secretary.

WILMINGTON, DEL., December 15th, 1895.

The committee on Legislation met at the Central Hotel, by order of the chairman, Dr. Robert G. Ellegood.

Present—Dr. Ellegood, Dr. Cooper, Dr. Mustard, Dr. Skinner.

The meeting was called to order by the chairman at 11.30 o'clock, a m.

On motion of Dr. Cooper, the secretary was instructed to have a bill drawn to repeal Section 2 of Chapter 80, Volume 17, of the laws of Delaware, and to restore the words, Except the city of Wilmington, to Section 12 of Chapter 381, Volume 16, of the laws of Delaware.

Dr. Ellegood moved that Section 3 of Volume 16, Chapter 21, be amended by adding a penalty thereto. Referred to Dr. Mustard.

Revision and amendments to the present vaccination law was referred to Dr. Ellegood. A bill regulating the sale of milk in the State of Delaware was referred to Dr. Skinner.

To amend Section 7, Volume 16, Chapter 21, of the laws of Delaware, was referred to the secretary, E. B. Frazer. Preparation for the invasion of cholera, added; referred to same.

Revision of the registration act, marriages, births and deaths. Referred to Dr. Cooper.

The secretary was instructed to obtain several copies of the Maryland vaccination law, and to address Dr. Chancellor, Secretary of the State Board of Health, Baltimore, Maryland, and to send one copy each to Drs. Ellegood and Skinner.

On motion the committee agreed to meet in Dover, on Thursday, January 5th, 1893, at 10 o'clock, a. m. Adjourned.

E. B. FRAZER, Secretary.

DOVER, January 5th, 1893.

The committee on Legislation met in Dover on the above date at the Capitol Hotel, Thursday, at 10 o'clock, a. m. Present, Dr. Ellegood, Dr. Cooper and Dr. Skinner.

The chairman, Dr. Ellegood, called the committee to order at 11 o'clock, a. m. The secretary read the amendments referred to him; also the bill to repeal Section 2 of Chapter 80, Volume 16, prepared in legal form.

Dr. Ellegood presented an entire new vaccination bill which was read and approved and referred to the secretary to have the legal section added thereto.

Dr. Cooper read his bill on registration which was approved and referred back to him.

Dr. Skinner read a brief of a bill regulating the sale of milk; continued in his hands.

On motion, the Board agreed to accept the invitation of Dr. John J. Black to meet in Newark on Monday, January 16th, as the guests of the Farmers' Institute.

On motion adjourned.

E. B. FRAZER, Secretary.

The Board of Health of the State of Delaware met

in Newark, Del., on Monday, January 16th, 1893, by invitation of Dr. John J. Black, President of the Farmers' Institute. Present—Dr. E. W. Cooper.

The day was exceedingly cold and the ground covered with snow. Dr. Cooper delivered an address before the Institute. Two cows were slaughtered, both afflicted with tuberculosis. Dr. E. O. Shakespear, Dr. Pierson, of the University of Pennsylvania, and Dr. Eves, and others, delivered short addresses. A number of the members of the General Assembly were present.

E. B. FRAZER, Secretary.

SPECIAL MEETING.

DOVER, DEL., January 24th, 1893.

By order of the president, Dr. E. W. Cooper, the Board of Health of the State of Delaware, was called to meet in Dover, at the Capitol Hotel. Present, Drs. Skinner, Ellegood and Vollandigham. Dr. Skinner was called to the chair. Dr. Cooper appeared after the board was called to order in the afternoon. The secretary left the bills and papers to be presented to the meeting in Wilmington. By agreement, Dr. Neal of Delaware College, and Mrs. Peach and Carr, were present representing the Farmers' Grange. The subject of tuberculosis was discussed at length.

Dr. Skinner read his bill regulating the sale of milk in the State of Delaware, which was continued in his hands. On motion the board adjourned.

E. B. FRAZER, Secretary.

SPECIAL MEETING.

By order of the president, Dr. E. W. Cooper, the Board of Health of the State of Delaware was called to

meet in Dover on February 9th, 1893. They met in the State House. Present, Drs. Cooper, Ellegood, Skinner, Whiteley, Mustard and Lowber.

The president, Dr. Cooper, called the board to order at 11.45 o'clock, a. m. The secretary read the amendments to the bill, being Chap. 21, Vol. 16, of the Laws of Delaware.

On motion of Dr. Skinner the amendments to section 2 were stricken out.

On motion of Dr. Mustard the amendments to section 3 were adopted. The amendment to section 7 was referred back to the secretary for revision.

On motion of Dr. Ellegood section 10 was adopted.

On motion the board took a recess for dinner to meet at 2 o'clock, p. m.

The board was called to order by the president at 2.30 o'clock, p. m. Members all present as before stated. Dr. Cooper read the new registration bill prepared by him. On motion of Dr. Ellegood the bill was adopted and the secretary was instructed to submit said bill to C. B. Lore, attorney-at-law.

The secretary read a paper on office room and the storage of reports and all papers the property of the board, and as the State makes no provision for an office for the secretary, the General Assembly is asked to allow the secretary \$100 for office room in his private dwelling house during the past 8 years. And further, as the board is the Superintendent of the Registration of Vital Statistics, and by law the secretary is required to prepare and compile a biennial report to the Governor to be submitted to the General Assembly, no provision is made to compensate the secretary for this service. On motion of Dr. Ellegood the bill of \$100 was approved and

ordered to be presented to the Legislature. Approved. Signed, E. W. Cooper, President. The secretary read his carefully prepared milk bill, and, after discussion of the merits of the bill, on motion of Dr. Ellegood, that a committee of three be appointed to confer with Dr. Neal, Dr. Shortlidge and Dr. Springer of the Wilmington Board of Health to meet in Wilmington at the call of the president, and also that the president, Dr. Cooper, be one of the said committee. Adopted.

Committee to prepare a milk bill, Drs. E. W. Cooper, Alexander Lowber and David L. Mustard.

Orders were directed to be drawn for the expenses of the members for this meeting and all former special or committee meetings. On motion the board adjourned.

E. B. FRAZER, Secretary.

WILMINGTON, DEL., February 17th, 1893.

Meeting of a special committee of the board met in Wilmington at the Central Hotel, for the purpose of formulating a milk bill. The committee were all present. Drs. E. W. Cooper, Alex. Lowber, Willard Springer, of the Wilmington Board of Health; and Dr. A. T. Neal, of the Delaware College; also Professor Penny, Chemist of Delaware College.

Dr. E. W. Cooper, chairman, called the meeting to order at 11.30 o'clock, a. m. The subject was discussed at length, but no definite conclusions were arrived at, and the whole matter was referred to Dr. Cooper and E. B. Frazer, secretary.

The secretary was directed to call a meeting of the board in special session at Dover, on Tuesday, February 21st, 1893, at 10.30 o'clock, a. m. On motion adjourned.

E. B. FRAZER, Secretary.

A special meeting of the board was held in Dover, on February 21st, 1893. The board met in the private office of the Secretary of State. Present, Dr. E. W. Cooper, Dr. William T. Skinner, Dr. Alex. Lowber, Dr. David L. Mustard, Dr. Irving S. Vollandigham, Dr. Robert G. Ellegood.

The president, Dr. Cooper, called the meeting to order at 11.45 o'clock, a. m. The subject of a milk bill satisfactory to all concerned was discussed. Dr. Cooper read an amendment to section 2 of the bill prepared by the secretary, when on motion the board took a recess till three o'clock.

At 2 o'clock the board appeared before the General Assembly. Drs. Cooper, Ellegood, Vollandigham and your secretary addressed the General Assembly on the importance of the bills submitted to them, to wit: Vaccination, the Registration of Vital Statistics, and an amendment to the State Board law called an emergency clause.

At 3.15 o'clock, p. m., the president called the board to order. Members all present except Dr. Whiteley. The subject of a milk bill was further discussed. When on motion of Dr. Skinner the whole subject was referred to Dr. Cooper to formulate such a bill as would meet the views of the producers, and be satisfactory to the board. Carried.

Dr. Vollandigham said he arose to make a personal explanation in regard to the subject of a quarantine station, this being done he said, I beg leave to offer a resolution relative to the subject. The chair stated that the subject had been disposed of at a former meeting by unanimous consent. Dr. Vollandigham said, is that the decision of the chair, to which the chair answered yes.

Dr. Vallandigham said, Mr. President, I very respectfully appeal from the decision of the chair. The chair said, shall the decision of the chair be sustained. Lost. Dr. Vallandigham then said, Mr. President, I respectfully ask that leave be granted to withdraw the resolution. Granted.

On motion adjourned.

E. B. FRAZER, Secretary.

The board met in special session in Dover, on Tuesday, March 7th, 1893, by order of the president. Members present, Drs. Cooper, Skinner, Lowber, Vallandigham and Ellegood.

The president, Dr. Cooper, called the meeting to order at 2 o'clock, p. m., in the private office of the Secretary of State. Dr. Cooper presented the milk bill which was read and approved, and on motion of Dr. Vallandigham, the president was authorized to make a few corrections to the bill and present it to the Legislature now in session.

The secretary read the following letter :

TREASURY DEPARTMENT,

WASHINGTON, D. C., March 3d, 1893.

EDMUND B. FRAZER, Secretary State Board of Health,

Wilmington, Del. *Sir*: Will you kindly furnish me with the State law and local regulations for the State of Delaware and city of Wilmington.

Respectfully yours,

WALTER WYMAN,*

Supervising Surgeon, General Marine Hospital Service.

On motion of Dr. Ellegood, that the secretary be authorized to request the Board of Health of the city of

Wilmington to furnish the secretary, E. B. Frazer, with a copy of the local regulations of the city of Wilmington for transmission as per request of Walter Wyman, Supervising Surgeon, General Marine Hospital Service. Adopted.

Orders were directed to be drawn for the expenses of the members of the board.

On motion adjourned.

E. B. FRAZER, Secretary.

A special meeting of the board was held in Wilmington at the Central Hotel, April 18th, 1893. Members present, Drs. Cooper, Skinner, Lowber and Ellegood.

The president, Dr. Cooper, called the board to order at 12 o'clock, noon. The president made an extempore report of the visit that he and Dr. Vollandigham made to New York city, April 4th, 1893. This meeting was of members of the National Conference of State Boards of Health. The subject of quarantine was discussed and the meeting was well attended.

Dr. Lowber presented Circular No. 5, formulated by Dr. Vollandigham, which was read, and on motion of Dr. Skinner it was approved.

On motion of Dr. Ellegood the circular was referred to a committee of three, and the chair named the following gentlemen: Drs. Vollandigham, Skinner and Cooper. The committee was authorized to add any amendments they may think proper. The secretary presented and read a number of suggestions with reference to the work of inspections, whereupon on motion of Dr. Ellegood the paper was referred to said committee who were authorized to have three thousand copies

printed for distribution after it was finished by said committee.

At 1.20 o'clock the board took a recess till 2 o'clock, p. m.

At 2.40 o'clock, p. m., the president called board to order with the same members present.

The secretary read a number of reports made on a printed form of the board prepared some years ago. The reports represented nineteen towns throughout the State. He also made a report of his inspections on the Brandywine river at Rising Sun and Squirrel run above. Your secretary begs leave to report that the drainage from the dwellings and privies on said run, is carried into the Brandywine river only a few yards distant. There are about 250 or more of these dwellings and they are owned by E. I. DuPont & Company. Your secretary also reports that he inspected a large number of cellars and well water at the Highlands adjoining the city of Wilmington north. A few cellars were wet and a few damp. One well was polluted somewhat from the privy near by. These reports were laid over till the next regular meeting in May. On motion of Dr. Ellegood, Dr. Lowber was authorized to confer with the local board of health of Wilmington in regard to its sanitary condition. After drawing orders for the expense of this meeting and former special meetings, the board adjourned.

E. B. FRAZER, Secretary.

WILMINGTON, DEL., May 30th, 1893.

A stated meeting of the board was held at the Central Hotel on the above date. Members present, Drs.

Cooper, Lowber, Skinner, Vallandigham, Lewis, Ellegood and Mustard.

The president, Dr. Cooper, called the board to order at 11.30 o'clock, a. m. On motion of Dr. Mustard the reading of the minutes of the last stated and special meetings were dispensed with.

REPORTS OF COMMITTEES.

The committee on revision and publication reported that they met in Dover, December 2d, 1892; the secretary was present and presented the Seventh Biennial Report of the board, which was examined and approved.

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| [SIGNED.] | DAVID L. MUSTARD, M. D. | } Committee. |
| | E. W. COOPER, M. D. | |

Absent, Dr. Vallandigham.

The committee on legislation reported that they formulated a milk bill for the State, a vaccination bill, a bill to repeal Section 2, of Chapter 80, Volume 17, of the Laws of Delaware, etc., an entire new registration bill, and a bill to amend the State board law, being Chapter 21, Volume 16, of the Laws of Delaware, and although all of said bills were duly presented and explained to the members of the Legislature time and again during the session thereof, all of said bills were defeated except the last named one, being an emergency clause to Chapter 21, Volume 16, of the Laws of Delaware. The president stated that after persistent efforts 250 copies of the Seventh Biennial Report were ordered to be printed.

The committee on Circular No. 5, Dr. Vallandigham chairman, reported that the committee met in Middletown, April 26th, and completed the circular, and that

it was agreed to order 5000 printed. The order was given to Freeman & Weber of Middletown.

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| DR. IRVING S. VALLANDIGHAM, | } Committee. |
| DR. WILLIAM T. SKINNER, | |
| DR. E. W. COOPER, | |

Dr. Lowber reported that he had conferred with the Board of Health of Wilmington as directed at a former meeting, in regard to certain nuisances brought to the attention of this board, and that they promised to remedy the evil complained of.

CHRISTIANA.

The complaint of A. G. Webber, of Christiana, in regard to certain nuisances on the street or road in said town, was referred to the road commissioners of White Clay Creek hundred.

SMALL-POX IN WILMINGTON.

Your secretary reports that one case of small-pox occurred here December 27th, 1892; a negro from Virginia, aged 27 years, not vaccinated. Sent to the pest-house at Farnhurst on same date. He died. Another case appeared January 11th, 1893. A negro, 28 years of age, native of Delaware. He was sent to the pest-house January 12th, 1893. I could not find out if he was vaccinated or not. I think he recovered. Your secretary notified State Boards of Health.

A complaint from Mrs. David Jones, dated January 17th, 1893, of District No. 2, Kent county, near Clayton, stating that the school house in that district was dirty, not whitewashed for five years. Referred the matter to David Reese, clerk of the district.

SCARLET FEVER NEAR MT. PLEASANT.

February 2d, 1893, your secretary was notified that scarlet fever prevailed among the pupils attending the

free schools at this point. I referred the case to Dr. Vallandigham at Middletown. He replied February 3d, 1893, that he had looked into the complaint and ordered the school closed.

February 13th, 1893, a board of health was organized in Odessa with Dr. W. V. Woods, president ; and W. W. Walker, Secretary.

MILFORD.

February 24th, 1893, Philip S. Graham, of Milford, renewed his complaint of polluted well water, and stench from tomato refuse stored in an iron tank holding from 60 to 100 tons, within the town limits. The case was laid before Dr. E. W. Cooper, president, who instructed your secretary to visit Milford and inspect the place with the local board of health of Milford. March 16th, your secretary visited Milford and with their board of health, inspected the refuse tomatoes, declared it to be a nuisance prejudicial to health, served a notice on James Richards, the owner of the refuse tomatoes, to abate the nuisance by the first day of April, 1893, or abide by the consequences of the law. We found the well water to be impure, caused by these refuse tomatoes, the juice percolating through the loose soil and finding its way into the well. April 12th, 1893, Mr. Graham notified your secretary that the nuisance was abated.

WILMINGTON.

May 2d, 1893, A. G. Taylor, residing on the causeway, Second ward, complained of stench from night soil pits on the marsh near his residence, and noisome pig pens. Your secretary and Dr. Lowber inspected the place and found vile nuisances to exist. May 17th, Mr.

Taylor complained again. The case was referred to the local Board of Health.

NEW CASTLE JAIL.

May 23rd, your secretary inspected the jail in New Castle. There were 150 persons confined, 44 negroes and 106 white, six white and six negro females, all in good health. Sheriff Gould keeps the jail in good sanitary condition.

The city of New Castle was in good condition, very little sickness among the people. Distributed Circular No. 5 to the schools and city authorities.

MARSHALLTON, May 25th, 1893.

Your secretary inspected this place, distributed Circular No. 5 to the school here and local authorities. Dr. Ball reported that the general health of the place was good. Circular No. 5 was sent to Jessups and Moore's paper mill and to E. I. DuPont & Co's. powder works.

DELAWARE CITY, May 27th, 1893.

A complaint was received from the owner of a property in Delaware City, that a filthy cow pound was within a few feet of the tenant's parlor window. Dr. Lowber and your secretary inspected the place June 5, 1893. Frank Phillips, of the Robinson house, complained of stench from dead fish in the canal within 25 yards of his hotel. We declared these places to be nuisances injurious to health and notified the owners, agents and tenant to abate these nuisances within a reasonable time. We are pleased to report that the order was complied with.

The board took a recess till 2.30 o'clock from 1 o'clock, p. m.

At 2.30 o'clock the president called the board to order. Members all present.

The secretary read a number of letters which were ordered to be filed. On motion of Dr. Ellegood the board held a secret session. The secretary retired. After deliberation it was agreed that the secretary be allowed three hundred dollars for his services during the past six months. The doors were then opened and the board proceeded to business.

On motion of Dr. Mustard, Dr. Lowber was allowed \$15.00 for services rendered to date, inspections with the secretary.

On motion of Dr. Ellegood, Dr. Cooper was allowed \$25.00 for services rendered in preparing bills and looking after them during the session of the Legislature.

The secretary presented an itemized bill of his expenses for the past six months, amounting to \$27.50. Allowed.

On motion of Dr. Ellegood a committee was appointed to prepare suitable resolutions upon the death of our late member of this board, Dr. Albert Whiteley, of Frederica. The chair appointed Dr. Vallandigham, and on motion of Dr. Ellegood, Dr. Cooper was added to the committee.

REPORT OF THE COMMITTEE ON THE DEATH OF DR. ALBERT WHITELEY.

WHEREAS, By the death of Dr. Albert Whiteley on the 5th of May, A. D., 1893, the Board of Health of the State of Delaware, has lost another of its original members, he having been appointed by Governor Hall in 1879, and reappointment continued until his death, and

WHEREAS, By his punctuality and faithfulness to the duties thereby imposed he has secured the respect and esteem of his co-laborers, and added to a private life of high moral character and a social position of rare

scope and influence, a crowning evidence of unselfish devotion to the relief of human suffering in this long gratuitous service to the State, it is therefore eminently fitting that we give this public expression of our appreciation of his services:

Resolved, That while all who came in touch with this pure-minded man will realize the social professional loss in his death, our's is special in that his quiet genial smile, his ever prompt and regular attendance upon all the demands of our board, his wise and safe suggestions and advice were valuable to us in our efforts to promote the public health. His long experience in combatting disease and death had made him a firm supporter of sanitary and hygienic measures as reliable means to prevent the attack and spread of disease. The son of a physician, a graduate of Delaware College and of Jefferson Medical College in 1839, equipped him fully for his life work. He succeeded Dr. Alexander Lowber at Frederica in 1840, and after more than 50 years of hard service he dies without a spot on his character and universally beloved.

E. W. COOPER, M. D. }
IRVING S. VALLANDIGHAM, M. D. } Committte.

The secretary presented mortality reports from Rising Sun and vicinity on the Brandywine, Faulkland, Claymont, Centreville, New Castle, Christiana, Newark, Glasgow, Townsend, Dover, Camden, Clayton, Frederica, Harrington, Leipsic, Milford, Milton, Seaford, Lewes and Delmar. The reports showed the general health to be good. The reports were ordered to be filed.

The secretary presented a receipt from Dr. Henry B. Baker, of Lansing, Michigan. Our board's annual assessment of the National Conference of State Boards of Health for the year 1892, amount to \$10.

Orders were directed to be drawn for the expenses of this meeting.

Dr. Vallandigham, chairman of committee on Circular No. 5, reported that they ordered 5000 circulars printed, and that 4500 were sent to E. B. Frazer, secretary. The report was approved.

The board proceeded to elect officers of the board for the ensuing year. Dr. E. W. Cooper was nominated and unanimously elected president, and Edmund B. Frazer was elected secretary for the ensuing year.

On motion the board adjourned.

E. B. FRAZER, Secretary.

A stated meeting of the board was held in Wilmington, Del., at the Central Hotel, on November 28th, 1893. Members present, Dr. Alexander Lowber, Dr. William T. Skinner, Dr. Irving S. Vallandigham, Dr. E. W. Cooper, Dr. B. L. Lewis, Dr. Robert G. Ellegood, Dr. D. L. Mustard.

On motion of Dr. Skinner, Dr. Cooper was called to the chair at 11.30 o'clock, a. m.

The minutes of the last stated meeting were read and approved. There were no committee to report.

Your secretary begs leave to report on complaints made, and inspections of the same during the past six months.

The Jackson & Sharp Company at great expense put their water closets and urinals in the best sanitary condition.

STANTON.

June 3d, 1893, Robert O. Currinder entered a complaint against Dickey & Chandler. Stench from sour milk at their creamery, and vile odor from a hog pen containing some 12 or 15 hogs within the town limits. An inspection was made by Dr. Lowber and your secre-

tary June 30th, 1893, and adjudged the hog pen and the swill well in which the refuse milk was stored from their creamery to be nuisances prejudicial to health. A notice was served on Dickey & Chandler to abate the nuisance within one week, July 1st, 1893. Your secretary visited Stanton July 18, and found that the order of the board had not been obeyed. Whereupon suit was entered before Justice McWho ter in Wilmington, July 19th. July 21st was set for a hearing. By request of defendent's counsel the case was continued till July 27. The parties were all present July 27th and the attorney for the defendent's plead guilty, and gave assurance to abate the nuisance at once. The defendent's were dismissed upon the payment of the cost, some \$20.00, with the consent of your secretary.

By request your secretary inspected the privies of 50 dwelling houses in the Second ward, city of Wilmington. A majority of the dwellings were occupied by negroes. There were no wells under the outhouses and they were filthy and noisome, and in violation of city ordinance. These dwellings and offices are owned by some of the most prominent and wealthy business men of Wilmington. Referred to the city Board of Health June 14th, 1893.

Squirrel run which empties into the Brandywine river below DuPont's powder works, was inspected by your secretary April 17th. Some hundred and fifty outhouses were found on this run, no well or boxes under them. E. I. DuPont & Co. were notified. They own all the property at this point. June 28th received a letter from DuPont & Co., stating that they had abated the nuisance. Letter filed.

July 10th, 1893, your secretary visited the following

towns: Delmar, Laurel, Georgetown, Harrington, Dover, Smyrna and Concord, interviewed physicians and local Boards of Health. The general health was good and the local boards of health active.

Inspected the almshouse in Sussex county, found it to be in fair condition and the inmates well taken care of. No sickness.

August 2d, 1893, complaint of a stagnant pond of water in Middletown, was referred to the Board of Health of that town.

August 23d, a complaint was made of dead animals lying in Doe run, Chester county, Pa. This run empties into the Brandywine river. Referred to Dr. Lee, secretary State Board of Health, Philadelphia, Pa. Dr. Lee replied August 24th and stated that the case had been referred to the secretary of the State Board of Agriculture of Pennsylvania.

September 11th, 1893, complaints were made from Wyoming and Frederica of vile odor from tomato canneries in said towns. Your secretary and Dr. Lowber inspected these places and found that the refuse had been allowed to accumulate in large piles and the odor therefrom was very annoying to the people. We advised that lime be used plentifully. This was agreed to.

September 6th your secretary inspected the following villages and towns: Edgemoor, East Lake and the city of New Castle and the jail. These places were found to be in good sanitary condition.

September 22d, by request of the water department of Wilmington, your secretary, in company with T. M. Culbert, inspector of said water department, inspected the dwellings and outhouses at Rockland, on the Brandywine river. Jessup & Moore's paper mill is

located there and their workmen occupy the dwelling houses there. We found that all the drainage, such as kitchen slop, wash water and overflowing privy boxes and other refuse was drained into the Brandywine river. The Jessup & Moore's Paper Company were notified to abate these nuisances forthwith. Correspondence was ordered to be filed.

COSSART AND CHADD'S FORD, IN CHESTER COUNTY, PA.

These places were inspected by T. M. Culbert, inspector of the water department, and your secretary, October 5th, 1893. We found at these places that all the drainage from two hog pens containing 168 hogs at the former, and 200 at the latter place, was carried into the Brandywine river, from which stream the people of the city of Wilmington receive their drinking water. Referred to Dr. Lee, secretary State Board of Health of Pennsylvania.

October 10th, 1893, complaint was made by a number of citizens of Bridgeville, of stench from refuse of the canning factory in that town. After some correspondence in regard to the matter, Dr. Lowber and your secretary visited Bridgeville and inspected the plant. We advised that the refuse be promptly removed daily and not dumped in piles on land near dwelling houses to sicken the occupants. We advised that lime be freely used. Notice was served on the owner to abate within two weeks. The order was complied with. Correspondence filed.

LINCOLN.

The cannery at this town annoyed the people very much. Your secretary was requested to inspect the place October 19th, 1893, and he did October 27th, 1893.

WATER SUPPLY IN DELAWARE.

CHAPTER 405, VOL. 12, LAWS OF DELAWARE.

An Act to Define and Prevent Certain Nuisances :

“SECTION 1. That hereafter no person or persons shall cast, put, place, discharge in or permit or suffer to be cast, put, placed or discharged in, or to escape into any running stream of water within the limits of this State, from which stream the inhabitants of any borough, town or city within this State are supplied wholly or in part with water for and as a drink or beverage, any dyestuffs, drugs, chemicals or matter of any kind whatsoever and by any means whereof, the said water so supplied as and for a drink or a beverage as aforesaid, shall be made and become noxious to the health or disagreeable to the sense of smell or taste.

“SEC. 2. Every person offending against the provisions of the preceding section of this act shall be deemed guilty of committing a common nuisance, and upon conviction thereof, by indictment in the Court of General Sessions of the Peace and Jail Delivery, shall be fined from \$1,000 to \$5,000 at the discretion of the Court, and in addition to the fine aforesaid the Court shall issue an order for the abatement of the nuisance within twenty days after the verdict of the jury upon the indictment aforesaid, and the sheriff of either of the counties of the State in which said conviction shall

take place shall under the order aforesaid, unless the said nuisance shall, before the expiration of the time allowed for the abatement of the said nuisance, have been abated, have full power to abate the same, and to this end shall enter on the premises from which the said nuisance proceeded, and arrest, stop, and put an end to the business from the carrying on of which or in the process of which the said nuisance was created or carried on, or premises from which the said nuisance proceeded and issued."

"SEC. 3. That no person hereafter shall put or place or permit to be put, placed or used, any privy, hog pen or slaughter house over or so near that the excrement or offal therefrom shall escape or run into any running stream of water within the limits of this State from which the inhabitants of any town, borough or city within the limits aforesaid are wholly or in part furnished with water as a drink or beverage, and anyone offending against the provisions of this section shall be deemed guilty of committing a common nuisance and upon conviction thereof in the Court aforesaid shall be fined the sum of \$100, and the Court shall order the nuisance abated immediately."

Passed at Dover, February 4th, 1864.

THE TREATMENT OF THE DROWNED.

THE TWO THINGS TO BE DONE : RESTORE BREATHING ;
RESTORE ANIMAL HEAT.

RULE 1. Loosen all neck and waist-bands, quickly—by unbuttoning or cutting them.

RULE 2. Turn the patient on the face, with the head down hill, if possible.

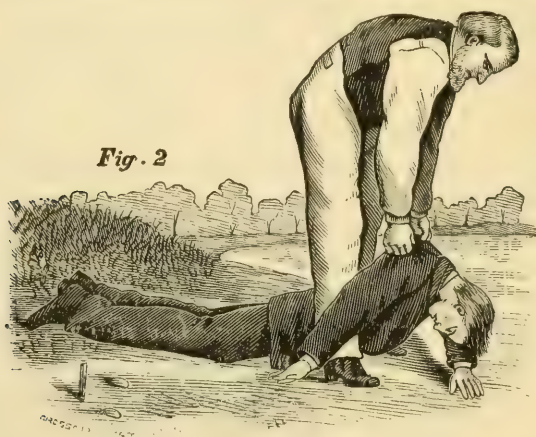
RULE 3. Stand astride the hips with your face towards his head, and locking your fingers together un-



der his belly ; raise the body as high as you can without lifting the forehead from the ground, and give the body a smart jerk to remove mucus from the throat, and water from the wind pipe ; holding the body long enough

to count slowly, *one-two-three-four-five*, repeating the jerk gently two or three times.

RULE 4. Next, with patient and operator in same position, grasp the clothing at the points of the shoulders, or if the body is naked, thrust your fingers into the armpits, clasping the thumbs over the points of the



shoulders, and *raise the chest as high as you can*, without lifting the forehead from the ground, and hold it long enough to slowly count *one-two-three*.

RULE 5. Replace the patient on ground, with his forehead resting on his arm, or on anything to support it from the ground; straighten out the neck, and free the mouth and nose; then place your elbows against your knees, and your hands upon the sides of his chest, *over the lower ribs, and press downward and inward with increasing force*, long enough to count slowly *one-two*. Then suddenly let go, grasp the shoulders as before, and raise the chest; then press upon the ribs as before; again raise the chest, and repeat these alternate

The ground around the cannery was in a filthy and noisome condition with little or no drainage. The tenant and owner were notified to abate the nuisance within ten days and to use lime to keep down the odor. They promised to obey.

October 30, a complaint was received from a person residing near Masten's Corner, Kent county, stating that the cannery here was in a vile condition, refuse not removed at all. A number of persons were sick caused by the sickening odor. Notified the owner to abate without delay.

SMALL-POX NEAR LEWES.

The attention of your secretary was drawn to a report that small pox existed in a family residing near Lewes, by Dr. Vallandigham. Your secretary notified Dr. D. L. Mustard of Lewes, and requested him to investigate and report. Dr. Mustard reported that there were eight persons in one family sick with the small-pox, residing near Rehoboth, and were quarantined and attended by Dr. David Hall of Lewes. November 11th, 1893, Dr. Hall notified your secretary that the patients were about well and he turned them over to the State Board of Health. Your secretary laid the matter before Dr. Cooper, president, October 12th, 1893, and he notified me that it was a matter for the Trustees of the Poor of Sussex county, to look after these poor white people. Dr. Mustard reported that the house had been disinfected and cleaned up and all were well. No danger of spreading the disease. It was an effective quarantine.

The secretary read the following, received by him September 2d, 1893 :

WASHINGTON, D. C., September 2d, 1893.
To the Secretary State Board of Health, Wilmington,

Del. One fatal case of cholera, Jersey Cith, August
 29th. [SIGNED.] A. W. AUSTEN,
 Surgeon, M. H. S.

On motion of Dr. Vallandigham, the president was empowered to sign orders for carriage hire and other incidentals contracted by the secretary during the interim.

On motion of Dr. Skinner the allowance to members for inspections with the secretary be \$5.00 per day, no half days.

On motion of the same gentleman, the board proceeded to elect a president for the balance of the year, Dr. E. W. Cooper's term having expired October 3d, 1893. He was reappointed by Governor Reynolds. Dr. Skinner nominated Dr. E. W. Cooper. Dr. Lewis was authorized to cast the vote of the board. Dr. Lewis cast the vote for Dr. E. W. Cooper as president for the balance of the year.

The secretary reported that he made an inspection the fish oil factories at Lewes, by request of Dr. Walter Wyman, Supervising Surgeon, General Marine Hospital Service, Washington, D. C., August 12th, 1893. The inspection was made by your secretary and the result reported to Dr. Wyman, who informed your secretary that the matter was referred to the Solicitor of the Treasury, who took action by referring it to the United States District Attorney for the proper district. A copy of your secretary's report is filed in his office together with the correspondence. Your secretary was paid by the Treasury Department in Washington, D. C., for his services and expenses, \$25.00.

Orders were directed to be drawn for the expenses

of the members, incidental bills, the secretary's expenses for six months, and allowance for his services.

On motion the board adjourned.

E. B. FRAZER, Secretary.

A special meeting of the board was held in Dover, April 26th, 1894, at 11 o'clock, a. m., in the State House, Secretary of State's office. Present, Drs. E. W. Cooper, B. L. Lewis, William T. Skinner, Alexander Lowber.

The following gentlemen, canners and packers of tomatoes, were invited to be present: Eugene Reybold, Mayor, Delaware City; D. Reis, canner, of Milford; Mr. Hoffecker, canner, Smyrna; Reynolds McKnitt & Co., canners, Frederica; H. P. Cannon, canner, Bridgeville; J. E. Jarell, canner, Lincoln; G. H. Gildersleeve, canner, Rising Sun; J. V. McCommons, Wyoming. There were present, J. S. Reynolds, H. P. Cannon, G. H. Gildersleeve and J. V. McCommons. The following Boards of Health were requested to send a representative: Newark, Seaford, Georgetown, President Town Council of Milford, Dover, Leipsic and Odessa. There were present, Hon. John A. Nicholson, a member of the health board of Dover.

Dr. E. W. Cooper, president, called the meeting to order at 11.30 o'clock, a. m., and he stated the object of the meeting was to discuss the question of the removal of refuse from canneries, and its disposal without annoying the people in towns and vicinity by the odor arising therefrom.

The subject was discussed by the members till 12.45 o'clock, p. m., when a recess was taken for one hour for dinner.

At 1.45 o'clock, p. m., the president called the meet-

ing to order and requested that a general discussion of the subject be participated in by all present. The same gentlemen were present.

The whole matter was discussed in a friendly manner and the views of each person present were considered and a mutual agreement arrived at.

Whereupon, on motion of Dr. Lowber, Drs. Cooper and Lewis be appointed a committee to formulate a circular setting forth the views as expressed by those at the meeting. The motion was adopted and the committee were instructed to submit said circular to the next regular meeting of the board in May, 1894.

Hon. John A. Nicholson stated that the people of Dover were not annoyed by odor from the canning plants located in the town of Dover. Adjourned.

E. B. FRAZER, Secretary.

A stated meeting of the board was held May 29th, 1894, at the Central Hotel, in Wilmington. Members present, Drs. E. W. Cooper, A. Lowber, William T. Skinner, Irving S. Vallandigham, B. L. Lewis and Robert G. Ellegood.

Dr. Cooper, president, called the board to order at 11.30 o'clock, a. m. The minutes of the last stated and special meetings were read and approved. The special committee appointed at the special meeting April 26th, to formulate a circular, subject: the removal of waste from canning plants, presented their report which was read by Dr. Cooper. Dr. Vallandigham moved that the report be approved.

The subject was discussed for some time, when Dr. Lewis moved that the board take a recess for one hour for dinner. At 2 o'clock, p. m., the president called the

board to order. Same gentlemen present except Dr. Lewis, who was excused. The subject of the circular was further discussed, when on motion of Dr. Ellegood, the circular was recommitted to the committee with power to add other matter to it in relation to filth and noisome odor in many towns. The committee were authorized to have 5000 of the circulars printed for distribution.

The secretary read his general report on his inspections of towns which was ordered to be filed.

The secretary presented and read his report of his inspections on the Brandywine river.

The piggeries at Chadd's Ford and Cossart, on the Brandywine river, in Chester county, Pa., also Rockland, Delaware, where the Jessup & Moore's paper mills are located. At these places much filth was permitted to be washed and drained into the Brandywine river and no effort had been made by the owners, agents, tenants or superintendants to prevent the stream from being polluted with such nastiness. Dr. Benjamin Lee, secretary State Board of Health, Philadelphia, had his attention drawn to the nuisances at Chadd's Ford and Cossart, Pa. Drainage from large pig pens emptying into the stream. William Luke's attention was drawn to the nuisances at Rockland. Mr. Luke is the superintendent of Jessup & Moore's paper mill. The reports were ordered filed and the secretary was instructed to continue his inspections of said stream.

A complaint from Susan Danby, of No. 821 Adams street, (water in cellar from the adjoining property on the north) together with the correspondence and the opinion of the Brison Plumbing and Heating Company,

was ordered to be sent to the Board of Health in Wilmington. Sent May 31st, 1894.

A complaint was received by your secretary May 4, 1894, from Frank E. Haley, who resides Mt. Salem lane, called the Highlands and adjoining the city of Wilmington. He complained of water running from the adjoining properties upon his property, creating a nuisance prejudicial to health. Referred to the Board of Health in Wilmington.

In a few days your secretary received an opinion from George A. Elliott, City Solicitor, stating that the complaint of Frank E. Haley, residing at the Highlands, belonged to the State Board of Health, and that the city board did not have jurisdiction unless the nuisance complained of created a contagious disease.

On motion of Dr. Lowber, the secretary was instructed to return the opinion from whence it came, and to call their attention to the law in such cases made and provided. Copy filed.

Your secretary reports that he received in February, 171 copies of the Seventh Biennial Report of the board from the Secretary of State, and that he furnished the local boards in Delaware and all the State Boards of Health with one copy each, and that he mailed 41 copies by request of various institutions in the United States and Europe.

ALMSHOUSE IN SUSSEX COUNTY.

May 18th, 1894, your secretary inspected the almshouse in Sussex county. The retiring overseer left the building in a filthy condition. At present the new overseer, H. W. Hickman, is engaged in cleaning up. There were 53 inmates, 22 white and 31 negroes. No sickness in the place. The jail in Georgetown was found to be

in its usual condition, with eleven inmates, 3 white and 8 negroes.

The health of the people in and around Georgetown is fair.

The Recorder of Deeds here reported to your secretary that the physicians and undertakers who were furnished with blanks, have complied with the law.

ALMSHOUSE IN KENT COUNTY.

This institution was found to be in good condition the overseer, E. B. Downs, was engaged in cleaning the buildings. Inmates, 78; White, 48; negroes, 30; no sickness.

DOVER JAIL.

The jail was clean throughout. 18 inmates; white, 6; negroes, 12; no sickness. The secretary read reports from physicians residing in the following towns: Centreville, Odessa, Seaford and Lewes. The reports showed that the general health of the people to be good. Reports filed.

On motion of Dr. Skinner, Dr. Vallandigham was constituted and appointed a committee to formulate a circular on the disease known as tuberculosis, to be reported at a special meeting of the board.

The secretary presented and read letters and papers from other State Boards of Health. They were ordered to be filed.

Your secretary was authorized by the president to ascertain the amount of the yearly subscription of the *Sanitarian*, published by A. N. Bell, M. D., of Brooklyn, N. Y. Dr. Bell notified your secretary that he would furnish eight copies for one year for \$28.00. Your secretary was authorized to order eight copies, one to the address of each member of the board and one to the secre-

tary. The order was carried out and a check for \$28.00 was mailed to Dr. A. N. Bell, payable to his order.

Your secretary received a receipt from Dr. H. B. Baker, secretary State Board of Health, Lansing, Mich., for the annual assessment of Conference of State Boards Health, for the year 1893. Amount, \$10.00.

On motion of Dr. Ellegood, the board proceeded to the election of officers for the ensuing year. On his further motion nominations were in order for a president. He nominated Dr. E. W. Cooper, who was elected. Dr. Vallandigham being authorized to cast the vote.

E. B. Frazer was elected secretary for the ensuing year by the same vote.

Orders were directed to be drawn for the expenses of this meeting. Anjourned.

E. B. FRAZER, Secretary.

Balance in hand, \$606.69.

November 22d, 1894.

[SIGNED.]

JOHN P. DULANEY,
State Auditor.

The account of the secretary is audited each year in November, during the session of the Superior Court in Wilmington, by the State Auditor.

E. B. FRAZER, Secretary.

movements in the same order ten or fifteen times a minute for an hour at least; unless breathing is restored sooner.



RULE 6. After breathing has commenced, (or before if convenient), cover the body with warm blankets—TO RESTORE THE ANIMAL HEAT, also use bottles of hot water, or hot bricks to the extremities. *Warm the head nearly as fast as the body, lest convulsions come on.* Rubbing and slapping the fleshy parts, assist in restoring heat.

RULE 7. *When the patient can readily swallow,* give sparingly hot coffee, tea, milk, or a little spirits and water. If the power of swallowing return very slowly, two tablepoonsful of spirits in two or three tablepoonsful of warm water may be injected into the bowels and held there by pressure.

RULE 8. *As soon as strength will permit,* place the patient in a warm bed, give plenty of fresh air and keep him quiet. In all the treatment, keep away the crowd.

STATE BOARD OF HEALTH, WILMINGTON, DEL.

DR. L. P. BUSH, President.

E. B. FRAZER, Secretary.

SPECIAL DISEASES IN DELAWARE.

A Comparative Statement for the Years Ending June 30th, 1892, 1893, 1894.

| | Consumption. | | | Pneumonia. | | | Typhoid Fever. | | | Diphtheria. | | | Group. | | | Dysentery. | | | Cholera. | | | Infantum. | | | Heart Disease. | | |
|----------------|--------------|------|------|------------|------|------|----------------|------|------|-------------|------|------|--------|------|------|------------|------|------|----------|------|------|-----------|------|------|----------------|------|------|
| | 1892 | 1893 | 1894 | 1892 | 1893 | 1894 | 1892 | 1893 | 1894 | 1892 | 1893 | 1894 | 1892 | 1893 | 1894 | 1892 | 1893 | 1894 | 1892 | 1893 | 1894 | 1892 | 1893 | 1894 | 1892 | 1893 | 1894 |
| N. Castle Co. | 160 | 185 | 167 | 136 | 120 | 134 | 43 | 47 | 62 | 101 | 34 | 14 | 31 | 30 | 17 | 12 | 11 | 25 | 91 | 58 | 95 | 141 | 124 | 117 | | | |
| Kent Co. | 51 | 61 | 57 | 31 | 27 | 25 | 16 | 20 | 11 | 13 | 8 | 4 | 15 | 5 | 1 | 4 | 5 | 3 | 22 | 23 | 17 | 21 | 34 | 25 | | | |
| Sussex Co... | 84 | 67 | 61 | 41 | 36 | 27 | 15 | 14 | 15 | 12 | 8 | 3 | 14 | 13 | 12 | 8 | 10 | 3 | 15 | 31 | 24 | 14 | 29 | 28 | | | |
| Total in State | 295 | 313 | 285 | 208 | 183 | 186 | 74 | 81 | 88 | 26 | 50 | 21 | 60 | 48 | 30 | 24 | 29 | 31 | 128 | 112 | 136 | 176 | 187 | 170 | | | |

In New Castle county consumption shows an increase in 1893 over 1892 of 25, and a decrease of 18 in 1894 from 1893.

Kent county shows an increase of 11 in 1893 over 1892, and a decrease of 4 in 1894 over 1893.

Sussex county shows an increase of 17 in 1892 over 1893, and a decrease of 6 in 1894 over 1893.

It will be noticed that there is a slight decrease in all the diseases enumerated in 1894 except cholera infantum. Typhoid fever in New Castle county in 1894 shows an increase over 1892 and 1893. Diphtheria shows a very marked decrease in 1894 from 1892 and 1893, and there is a decrease in the State in 1894 from 1893 in a majority of the diseases mentioned.

FINANCIAL STATEMENT.

| | |
|--|----------|
| 1892. | |
| Nov. 29—Stated meeting, expenses of members, | \$ 21 50 |
| “ E. B. Frazer, secretary, allowance and expenses..... | 376 46 |
| 1893. | |
| Feb. 9—Expenses of members for four special meetings. | 62 06 |
| “ E. B. Frazer, “ “ “ | 14 93 |
| “ Porter & Co., letter press for president, | 7 22 |
| “ C. B. Lore, attorney..... | 20 00 |
| March 7—Special meeting expenses..... | 39 84 |
| April 18— “ “ “ and 2 members to New York..... | 62 05 |
| April 20—Robt. H. VanDyke, copying milk bill, | 2 00 |
| May 30—Stated meeting, expenses of members, | 70 86 |
| “ E. B. Frazer, secretary, allowance and expenses..... | 327 50 |
| “ Star Publishing Company, printing,.... | 34 50 |
| “ Freeman & Weber, printing..... | 13 50 |
| Nov. 28—Stated meeting, expenses of members, | 44 60 |
| “ E. B. Frazer, secretary, allowance and expenses..... | 358 98 |
| “ H. W. Lowe, carriage hire..... | 17 00 |
| “ Every Evening Pub. Co., printing..... | 7 00 |
| “ Republican Pub. Co., printing..... | 6 00 |
| “ Henry B. Baker, secretary N. B. of H., annual assessment..... | 10 00 |
| Dec. 26—A. N. Bell, New York, 8 subscriptions to <i>Sanitarian</i> | 28 00 |
| “ Star Printing Co., envelopes, stamped, | 17 15 |
| 1894. | |
| April 26—Special meeting in Dover, expenses... | 13 00 |

| | |
|---|------------|
| May 29—Stated meeting, expenses of members, | 20 25 |
| “ E. B. Frazer, secretary, allowance and expenses..... | 343 67 |
| | <hr/> |
| | \$1 918 07 |
| Balance due Nov. 28, 1892,..... | \$ 564 71 |
| Appropriation 1893, see Treasurer Act, | 960 05 |
| Appropriation 1894..... | 1 000 00 |
| | <hr/> |
| | \$2 524 76 |
| Balance due November 27th, 1894..... | \$ 606 69 |

NEW CASTLE COUNTY.

FIRST QUARTER, ENDING SEPTEMBER 30, 1892.

Marriages, Births and Deaths.

| | |
|--------------------------------|-----|
| Alcoholism..... | 1 |
| Croup..... | 3 |
| Carbuncle..... | 1 |
| Cholera Morbus..... | 5 |
| Cholera Infantum..... | 53 |
| Cerebro Spinal Meningitis..... | 5 |
| Diarrhœa..... | 1 |
| Dysentery..... | 9 |
| Diphtheria..... | 7 |
| Erysipelas..... | 1 |
| Intermittent Fever..... | 0 |
| Measles..... | 1 |
| Purpura..... | 0 |
| Puerperal Fever..... | 2 |
| Pyæmia..... | 1 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 3 |
| Scarlet Fever..... | 1 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 2 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 22 |
| Whooping Cough..... | 5 |
| Zymotics..... | 123 |

| | |
|------------------------------|----|
| *Tuberculosis..... | 4 |
| Peritonitis..... | 7 |
| Cancer..... | 7 |
| *Consumption | 49 |
| Meningitis..... | 21 |
| Congestion of the Lungs..... | 4 |
| Marasmus..... | 32 |
| Bright's Disease..... | 12 |
| Bronchitis..... | 5 |
| Heart Disease..... | 34 |
| Pneumonia..... | 9 |
| Accidents..... | 4 |
| Accidents on Railroads..... | 10 |
| Disease of the Brain..... | 17 |
| Disease of the Bowels..... | 33 |
| General Debility..... | 16 |
| Old Age..... | 11 |
| Convulsions..... | 22 |
| Paralysis..... | 12 |
| Inanition..... | 26 |
| Drowned | 11 |
| Abortion..... | 1 |
| Scrofula..... | 2 |
| Dropsy | 5 |
| Strangulated Hernia..... | 1 |
| Child Birth..... | 1 |
| La Grippe..... | 2 |
| Suicide..... | 2 |
| Tetanns | 2 |
| Premature Birth..... | 7 |
| By Lightning..... | 1 |
| Sun Stroke..... | 1 |

| | |
|-------------------------|-------|
| All other diseases..... | 26 |
| | <hr/> |
| | 397 |
| | 123 |
| | <hr/> |

Total Deaths 520

| | |
|---------------------------------|-------|
| Still Born..... | 14 |
| Brought Here for Interment..... | 29 |
| White..... | 425 |
| Negro..... | 95 |
| | <hr/> |

Total..... 520

| | |
|-------------|-------|
| Male..... | 272 |
| Female..... | 248 |
| | <hr/> |

Total..... 520

| | |
|--------------------------------|-------|
| Born in the United States..... | 445 |
| Foreign Born..... | 75 |
| | <hr/> |

Total..... 520

AGES OF THE DECEDENTS.

| | |
|--------------------------|-----|
| Under 1 year..... | 173 |
| From 1 to 5 years..... | 53 |
| From 5 to 10 years..... | 25 |
| From 10 to 20 years..... | 28 |
| From 20 to 30 years..... | 34 |
| From 30 to 40 years..... | 32 |
| From 40 to 50 years..... | 33 |
| From 50 to 60 years..... | 40 |
| From 60 to 70 years..... | 47 |

| | |
|----------------------------|----|
| From 70 to 80 years..... | 32 |
| From 80 to 90 years..... | 22 |
| From 90 to 100 years | 1 |

BIRTHS.

| | |
|--------------|-------|
| White..... | 243 |
| Negro..... | 26 |
| | <hr/> |
| Total..... | 269 |
| Males..... | 158 |
| Females..... | 111 |
| | <hr/> |
| Total..... | 269 |

MARRIAGES.

| | |
|-------------|-------|
| White..... | 117 |
| Negro | 13 |
| | <hr/> |
| Total..... | 130 |

E. B. FRAZER, Registrar.

NEW CASTLE COUNTY.

SECOND QUARTER, ENDING DECEMBER 31, 1892.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 2 |
| Croup..... | 15 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 0 |
| Cerebro Spinal Meningitis..... | 3 |
| Diarrhœa..... | 0 |
| Dysentery..... | 3 |
| Diphtheria..... | 15 |
| Erysipelas..... | 2 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura..... | 0 |
| Puerperal Fever..... | 1 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 3 |
| Scarlet Fever..... | 4 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 1 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 8 |
| Whooping Cough..... | 4 |
| Zymotics..... | 61 |

| | |
|------------------------------|-------|
| Cancer..... | 9 |
| Tuberculosis..... | 11 |
| Consumption | 35 |
| Marasmus..... | 12 |
| Inanition..... | 19 |
| Bright's Disease..... | 8 |
| Bronchitis..... | 8 |
| Heart Disease..... | 28 |
| Pneumonia..... | 18 |
| Accidents..... | 6 |
| Accidents on Railroads..... | 9 |
| Disease of the Brain..... | 17 |
| Disease of the Bowels..... | 15 |
| Old Age..... | 9 |
| Convulsions..... | 8 |
| Meningitis..... | 11 |
| Paralysis..... | 14 |
| Premature Birth..... | 6 |
| Burned..... | 2 |
| Peritonitis..... | 5 |
| Congestion of the Lungs..... | 4 |
| Dropsy..... | 8 |
| Suicide..... | 1 |
| Scrofula..... | 1 |
| Child Birth..... | 2 |
| Malarial Fever..... | 6 |
| La Grippe..... | 2 |
| Gangrene..... | 1 |
| Typhoid Pneumonia..... | 1 |
| Murder..... | 1 |
| All other diseases..... | 29 |
| | <hr/> |
| | 306 |
| | 61 |
| | <hr/> |
| Total Deaths | 367 |

| | |
|---------------------------------|----|
| Still Born..... | 25 |
| Brought Here for Interment..... | 27 |

DECEDENTS.

| | |
|------------|-----|
| White..... | 288 |
| Negro..... | 79 |

| | |
|------------|-----|
| Total..... | 367 |
|------------|-----|

| | |
|-------------|-----|
| Male..... | 182 |
| Female..... | 185 |

| | |
|------------|-----|
| Total..... | 367 |
|------------|-----|

| | |
|--------------------------------|-----|
| Born in the United States..... | 309 |
| Foreign Born..... | 58 |

| | |
|------------|-----|
| Total..... | 367 |
|------------|-----|

AGES OF THE DECEDENTS.

| | |
|---------------------------|----|
| Under 1 year..... | 74 |
| From 1 to 5 years..... | 55 |
| From 5 to 10 years..... | 11 |
| From 10 to 20 years..... | 16 |
| From 20 to 30 years..... | 39 |
| From 30 to 40 years..... | 27 |
| From 40 to 50 years..... | 34 |
| From 50 to 60 years..... | 27 |
| From 60 to 70 years..... | 37 |
| From 70 to 80 years..... | 34 |
| From 80 to 90 years..... | 9 |
| From 90 to 100 years..... | 4 |

| | |
|------------|-----|
| Total..... | 367 |
|------------|-----|

BIRTHS.

| | |
|--------------|-----|
| White..... | 524 |
| Negro..... | 35 |
| Total..... | 559 |
| Males..... | 309 |
| Females..... | 250 |
| Total..... | 559 |

MARRIAGES.

| | |
|------------|-----|
| White..... | 165 |
| Negro..... | 35 |
| Total..... | 200 |

E. B. FRAZER, Registrar.

NEW CASTLE COUNTY.

THIRD QUARTER, ENDING MARCH 31, 1893.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 2 |
| Croup..... | 8 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 1 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa..... | 1 |
| Dysentery..... | 1 |
| Diphtheria..... | 9 |
| Erysipelas..... | 2 |
| Intermittent Fever..... | 0 |
| Measles..... | 3 |
| Purpura..... | 0 |
| Puerperal Fever..... | 4 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 3 |
| Scarlet Fever..... | 6 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 1 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 8 |
| Whooping Cough..... | 2 |
| <hr/> | |
| Zymotics..... | 51 |

| | |
|-----------------------------------|-----|
| Angina Pectons..... | 1 |
| Typhoid Pneumonia..... | 2 |
| Cancer..... | 7 |
| Consumption | 38 |
| Inanition..... | 15 |
| Marasmus..... | 4 |
| Meningitis..... | 6 |
| Bright's Disease..... | 12 |
| Bronchitis..... | 20 |
| Heart Disease..... | 27 |
| Pneumonia | 51 |
| Accidents..... | 4 |
| Accidents on Railroads..... | 5 |
| Disease of the Brain..... | 28 |
| Disease of the Bowels..... | 16 |
| Old Age and General Debility..... | 20 |
| Peritonitis..... | 7 |
| Paralysis..... | 8 |
| Dropsy | 4 |
| Endocarditis..... | 2 |
| Premature Birth..... | 7 |
| Convulsions..... | 9 |
| Malarial Fever..... | 3 |
| Congestion of the Lungs..... | 7 |
| Bronchial Catarrh..... | 4 |
| Gangrene. | 2 |
| Drowned | 2 |
| Child Birth..... | 1 |
| Burned..... | 2 |
| Suffocated by Gas..... | 1 |
| Influenza..... | 2 |
| All other diseases..... | 38 |
| Total Deaths | 406 |

| | |
|---------------------------------|----|
| Still Born..... | 19 |
| Brought Here for Interment..... | 50 |

DECEDENTS.

| | |
|------------|-----|
| White..... | 330 |
| Negro..... | 76 |

| | |
|------------|-----|
| Total..... | 406 |
|------------|-----|

| | |
|-------------|-----|
| Male | 186 |
| Female..... | 220 |

| | |
|------------|-----|
| Total..... | 406 |
|------------|-----|

| | |
|--------------------------------|-----|
| Born in the United States..... | 346 |
| Foreign Born..... | 60 |

| | |
|------------|-----|
| Total..... | 406 |
|------------|-----|

AGES OF THE DECEDENTS.

| | |
|----------------------------|----|
| Under 1 year..... | 72 |
| From 1 to 5 years..... | 54 |
| From 5 to 10 years..... | 18 |
| From 10 to 20 years..... | 22 |
| From 20 to 30 years..... | 34 |
| From 30 to 40 years..... | 31 |
| From 40 to 50 years..... | 31 |
| From 50 to 60 years..... | 37 |
| From 60 to 70 years..... | 34 |
| From 70 to 80 years..... | 48 |
| From 80 to 90 years..... | 16 |
| From 90 to 100 years | 5 |
| Age unknown..... | 4 |

| | |
|------------|-----|
| Total..... | 406 |
|------------|-----|

BIRTHS.

| | |
|------------|-----|
| White..... | 342 |
| Negro..... | 39 |

| | |
|------------|-----|
| Total..... | 381 |
|------------|-----|

| | |
|--------------|-----|
| Males..... | 201 |
| Females..... | 180 |

| | |
|------------|-----|
| Total..... | 381 |
|------------|-----|

MARRIAGES.

| | |
|------------|-----|
| White..... | 150 |
| Negro..... | 14 |

| | |
|------------|-----|
| Total..... | 164 |
|------------|-----|

E. B. FRAZER, Registrar.

NEW CASTLE COUNTY.

FOURTH QUARTER, ENDING JUNE 30, 1893.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 4 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 4 |
| Cerebro Spinal Meningitis..... | 12 |
| Diarrhœa..... | 2 |
| Dysentery..... | 1 |
| Diphtheria..... | 3 |
| Erysipelas..... | 4 |
| Intermittent Fever..... | 0 |
| Measles..... | 8 |
| Purpura..... | 0 |
| Puerperal Fever..... | 2 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 2 |
| Scarlet Fever..... | 2 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 1 |
| Tonsilitis..... | 1 |
| Typhoid Fever..... | 9 |
| Whooping Cough..... | 3 |
| <hr/> | |
| Zymotics..... | 58 |

| | |
|------------------------------|-----|
| Cancer..... | 4 |
| Consumption | 48 |
| Meningitis..... | 15 |
| Marasmus..... | 7 |
| Tubercular Meningitis..... | 3 |
| Bright's Disease..... | 9 |
| Bronchitis..... | 2 |
| Heart Disease..... | 35 |
| Pneumonia..... | 42 |
| Accidents..... | 3 |
| Accidents on Railroads..... | 10 |
| Disease of the Brain..... | 22 |
| Disease of the Bowels..... | 16 |
| General Debility..... | 13 |
| Convulsions..... | 19 |
| Inanition..... | 16 |
| Paralysis..... | 13 |
| Tetanus..... | 1 |
| Dropsy..... | 4 |
| Peritonitis..... | 5 |
| Gun Shot Wound..... | 1 |
| Old Age..... | 15 |
| Drowned..... | 5 |
| Congestion of the Lungs..... | 6 |
| Malarial Fever..... | 1 |
| Complicated Labor..... | 2 |
| Suicide by Laudanum..... | 1 |
| Strangulated Hernia | 1 |
| Premature Birth..... | 8 |
| All other diseases..... | 38 |
| <hr/> | |
| Total Deaths | 423 |

| | |
|---------------------------------|----|
| Still Born..... | 30 |
| Brought Here for Interment..... | 37 |

DECEDENTS.

| | |
|------------|-----|
| White..... | 340 |
| Negro..... | 83 |

| | |
|------------|-----|
| Total..... | 423 |
|------------|-----|

| | |
|-------------|-----|
| Male..... | 213 |
| Female..... | 210 |

| | |
|------------|-----|
| Total..... | 423 |
|------------|-----|

| | |
|--------------------------------|-----|
| Born in the United States..... | 366 |
| Foreign Born..... | 57 |

| | |
|------------|-----|
| Total..... | 423 |
|------------|-----|

AGES OF THE DECEDENTS.

| | |
|---------------------------|----|
| Under 1 year..... | 82 |
| From 1 to 5 years..... | 53 |
| From 5 to 10 years..... | 15 |
| From 10 to 20 years..... | 28 |
| From 20 to 30 years..... | 35 |
| From 30 to 40 years..... | 39 |
| From 40 to 50 years..... | 36 |
| From 50 to 60 years..... | 33 |
| From 60 to 70 years..... | 38 |
| From 70 to 80 years..... | 36 |
| From 80 to 90 years..... | 22 |
| From 90 to 100 years..... | 3 |
| Age unknown..... | 3 |

| | |
|------------|-----|
| Total..... | 423 |
|------------|-----|

BIRTHS.

| | |
|--------------|-------|
| White..... | 406 |
| Negro | 50 |
| | <hr/> |
| Total..... | 456 |
| Males..... | 237 |
| Females..... | 219 |
| | <hr/> |
| Total..... | 456 |

MARRIAGES.

| | |
|-------------|-------|
| White..... | 161 |
| Negro | 26 |
| | <hr/> |
| Total..... | 187 |

E. B. FRAZER, Registrar.

RECAPITULATION

*Of Marriages, Births and Deaths in New Castle County
for the Year Ending June 30, 1893.*

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|-----------------------------|--------------|-------------|-------------|--------------|-----|
| Alcoholism..... | 1 | 2 | 2 | 0 | 5 |
| Croup | 3 | 15 | 8 | 4 | 30 |
| Carbuncle..... | 1 | 0 | 0 | 0 | 1 |
| Cholera Morbus..... | 5 | 0 | 0 | 0 | 5 |
| Cholera Infantum..... | 53 | 0 | 1 | 4 | 58 |
| Cerebro Spinal Meningitis | 5 | 3 | 0 | 12 | 20 |
| Diarrhœa..... | 1 | 0 | 1 | 2 | 4 |
| Dysentery | 9 | 3 | 1 | 1 | 14 |
| Diphtheria..... | 7 | 15 | 9 | 3 | 34 |
| Erysipelas..... | 1 | 2 | 2 | 4 | 9 |
| Intermittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Measles..... | 1 | 0 | 3 | 8 | 12 |
| Purpura | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever..... | 2 | 1 | 4 | 2 | 9 |
| Pyæmia..... | 1 | 0 | 0 | 0 | 1 |
| Remittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Rheumatism..... | 3 | 3 | 3 | 2 | 11 |
| Scarlet Fever..... | 1 | 4 | 6 | 2 | 13 |
| Small Pox..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital) | 0 | 0 | 1 | 0 | 1 |
| Syphilis..... | 0 | 0 | 0 | 0 | 0 |
| Septicæmia..... | 2 | 1 | 0 | 1 | 4 |
| Tonsilitis..... | 0 | 0 | 0 | 1 | 1 |
| Typhoid Fever..... | 22 | 8 | 8 | 9 | 47 |
| Whooping Cough..... | 5 | 4 | 2 | 3 | 14 |
| Zymotics..... | 123 | 61 | 51 | 58 | 293 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|----------------------------|--------------|-------------|-------------|--------------|-----|
| Peritonitis..... | 7 | 5 | 7 | 5 | 24 |
| Typhoid Pneumonia..... | 0 | 1 | 2 | 0 | 3 |
| Cancer..... | 7 | 9 | 7 | 4 | 27 |
| Consumption | 53 | 46 | 38 | 48 | 185 |
| Meningitis | 21 | 11 | 6 | 18 | 56 |
| Marasmus..... | 32 | 12 | 4 | 7 | 55 |
| Inanition..... | 26 | 19 | 15 | 16 | 76 |
| Bright's Disease..... | 12 | 8 | 12 | 9 | 41 |
| Bronchitis..... | 5 | 8 | 20 | 2 | 35 |
| Heart Disease..... | 34 | 28 | 27 | 35 | 124 |
| Pneumonia..... | 9 | 18 | 51 | 42 | 120 |
| Accidents..... | 4 | 6 | 4 | 3 | 17 |
| Accidents on Railroads.... | 10 | 9 | 5 | 10 | 34 |
| Disease of the Brain..... | 17 | 17 | 28 | 22 | 84 |
| Disease of the Bowels..... | 33 | 15 | 16 | 16 | 80 |
| General Debility..... | 16 | 0 | 20 | 13 | 49 |
| Old Age..... | 11 | 9 | 0 | 15 | 35 |
| Convulsions..... | 22 | 8 | 9 | 19 | 58 |
| Paralysis..... | 12 | 14 | 8 | 13 | 47 |
| Drowned..... | 11 | 0 | 2 | 5 | 18 |
| Abortion..... | 1 | 0 | 0 | 0 | 1 |
| Scrofula..... | 2 | 1 | 0 | 0 | 3 |
| Dropsy | 5 | 8 | 4 | 4 | 21 |
| Strangulated Hernia | 1 | 0 | 0 | 1 | 2 |
| Child Birth..... | 1 | 2 | 1 | 0 | 4 |
| La Grippe..... | 2 | 2 | 2 | 0 | 6 |
| Suicide | 2 | 1 | 0 | 1 | 4 |
| Tetanus | 2 | 0 | 0 | 1 | 3 |
| Premature Birth..... | 7 | 6 | 7 | 8 | 28 |
| By Lightning..... | 1 | 0 | 0 | 0 | 1 |
| Sun Stroke..... | 1 | 0 | 0 | 0 | 1 |
| Burned | 0 | 2 | 2 | 0 | 4 |
| Congestion of the Lungs... | 4 | 4 | 7 | 6 | 21 |
| All other diseases..... | 26 | 29 | 38 | 38 | 131 |
| Total..... | 520 | | | | |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|------------------------|--------------|-------------|-------------|--------------|-----|
| Malarial Fever..... | | 6 | 3 | 1 | 10 |
| Gangrene. | | 1 | 2 | 0 | 3 |
| Murder..... | | 1 | 0 | 0 | 1 |
| Total.... | | 367 | | | |
| Endocarditis..... | | | 2 | 0 | 2 |
| Angina Pectoris..... | | | 1 | 0 | 1 |
| Bronchial Catarrh..... | | | 4 | 0 | 4 |
| Suffocated by Gas..... | | | 1 | 0 | 1 |
| Total..... | | 406 | | | |
| Gun Shot Wound..... | | | | 1 | 1 |
| Complicated Labor..... | | | | 2 | 2 |
| Total..... | | | 423 | | |

Total deaths in New Castle county..... 1716

*Total Deaths in New Castle County for the Year
Ending June 30, 1893.*

| | | | |
|-------------------------|------|----------------|-----|
| First Quarter..... | 520 | Zymotics | 123 |
| Second Quarter..... | 367 | Zymotics | 61 |
| Third Quarter..... | 406 | Zymotics | 51 |
| Fourth Quarter..... | 423 | Zymotics | 58 |
| Total..... | 1716 | Total..... | 293 |
| Zymotic diseases..... | 293 | | |
| All other diseases..... | 1423 | | |

As compared with the year ending June 30, 1891 :
Total deaths, 1448 ; Zymotics, 256.

As compared with the year ending June 30, 1892 :
Total deaths, 1950 ; Zymotics, 389.

DECEDENTS.

| | |
|--------------------------------|------|
| White..... | 1383 |
| Negro | 333 |
| Male | 853 |
| Female..... | 863 |
| Born in the United States..... | 1466 |
| Foreign Born..... | 250 |

Population of New Castle county, 97,182; death rate in the 1000 inhabitants is 17.86.

The per centage of deaths from zymotic diseases is 17 per cent.

*Births in New Castle County for the Year Ending
June 30, 1893.*

| | |
|-------------------|------|
| White..... | 1515 |
| Negro | 150 |
| Males..... | 905 |
| Females..... | 760 |
| <hr/> | |
| Total births..... | 1665 |

MARRIAGES.

| | |
|-------------|-----|
| White..... | 593 |
| Negro | 88 |

| | |
|------------|-----|
| Total..... | 681 |
|------------|-----|

| | |
|-------------------|------|
| Total deaths..... | 1716 |
|-------------------|------|

| | |
|-------------------|------|
| Total births..... | 1665 |
|-------------------|------|

| | |
|--------------------------------------|----|
| The deaths exceed the births by..... | 51 |
|--------------------------------------|----|

| | |
|---------------------------------|-----|
| Brought Here for Interment..... | 143 |
|---------------------------------|-----|

| | |
|-----------------|----|
| Still Born..... | 88 |
|-----------------|----|

E. B. FRAZER, Registrar.

KENT COUNTY.

FIRST QUARTER, ENDING SEPTEMBER 30, 1892.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 1 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 8 |
| Cerebro Spinal Meningitis..... | 2 |
| Diarrhœa..... | 0 |
| Dysentery..... | 3 |
| Diphtheria..... | 2 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 2 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 2 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 11 |
| Whooping Cough..... | 0 |
| <hr/> | |
| Zymotics..... | 31 |

| | |
|------------------------------|-----|
| Cancer.....* | 1 |
| Consumption..... | 11 |
| Marasmus..... | 3 |
| Inanition..... | 1 |
| Bright's Disease..... | 0 |
| Bronchitis..... | 1 |
| Heart Disease..... | 6 |
| Pneumonia..... | 0 |
| Accidents..... | 1 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 4 |
| Disease of the Bowels..... | 3 |
| General Debility..... | 11 |
| Old Age..... | 1 |
| Peritonitis..... | 1 |
| Congestion of the Lungs..... | 2 |
| Burned..... | 1 |
| Drowned..... | 1 |
| Meningitis..... | 1 |
| Typho Malarial Fever..... | 2 |
| La Grippe..... | 1 |
| Dropsy..... | 1 |
| Child Birth..... | 2 |
| Killed by Lightning..... | 1 |
| Not Stated..... | 7 |
| All other diseases..... | 10 |
| Total..... | 106 |
| Still Born..... | 1 |

DECEDENTS.

| | |
|------------|----|
| White..... | 66 |
| Negro..... | 35 |

| | |
|--------------------------------|-------|
| Not Stated..... | 5 |
| | <hr/> |
| Total..... | 106 |
| Male | 46 |
| Female..... | 60 |
| | <hr/> |
| Total..... | 106 |
| Born in the United States..... | 106 |
| Foreign Born..... | 0 |
| | <hr/> |
| Total..... | 106 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|-------|
| Under 1 year..... | 28 |
| From 1 to 5 years..... | 6 |
| From 5 to 10 years..... | 3 |
| From 10 to 20 years..... | 17 |
| From 20 to 30 years..... | 11 |
| From 30 to 40 years..... | 5 |
| From 40 to 50 years..... | 1 |
| From 50 to 60 years..... | 4 |
| From 60 to 70 years..... | 7 |
| From 70 to 80 years..... | 9 |
| From 80 to 90 years..... | 11 |
| From 90 to 100 years | 1 |
| Age unknown..... | 3 |
| | <hr/> |
| Total..... | 106 |

BIRTHS.

| | |
|------------|-------|
| White..... | 6 |
| Negro..... | 0 |
| | <hr/> |
| Total..... | 6 |

| | |
|--------------|-------|
| Males..... | 3 |
| Females..... | 3 |
| | <hr/> |
| Total..... | 6 |

MARRIAGES.

| | |
|------------|-------|
| White..... | 17 |
| Negro..... | 5 |
| | <hr/> |
| Total..... | 22 |

E. B. FRAZER, Registrar.

KENT COUNTY.

SECOND QUARTER, ENDING DECEMBER 31, 1892.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 1 |
| Croup..... | 3 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 13 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa..... | 1 |
| Dysentery..... | 1 |
| Diphtheria..... | 3 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 1 |
| Measles..... | 0 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 5 |
| Whooping Cough..... | 0 |
| Zymotics..... | 28 |

| | |
|-------------------------------------|----|
| Cancer..... | 4 |
| Consumption..... | 21 |
| Tuberculosis..... | 4 |
| Marasmus..... | 4 |
| Meningitis..... | 1 |
| Bright's Disease..... | 0 |
| Bronchitis..... | 0 |
| Heart Disease..... | 8 |
| Pneumonia..... | 7 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 1 |
| Disease of the Brain..... | 5 |
| Disease of the Bowels..... | 3 |
| General Debility..... | 3 |
| Old Age..... | 19 |
| Paralysis..... | 4 |
| Dropsy..... | 2 |
| Peritonitis..... | 1 |
| Child Birth..... | 1 |
| Malarial Fever..... | 1 |
| Convulsions..... | 1 |
| Poisoned by Eating Canned Corn..... | 1 |
| Hiccough..... | 1 |
| Tetanus..... | 1 |
| Diseases Not Stated..... | 18 |
| All other diseases..... | 10 |

| | |
|------------|-----|
| Total..... | 149 |
|------------|-----|

DECEDENTS.

| | |
|------------|-----|
| White..... | 94 |
| Negro..... | 55 |
| Total..... | 149 |

| | |
|--------------------------------|-----|
| Male | 68 |
| Female..... | 81 |
| <hr/> | |
| Total..... | 149 |
| Born in the United States..... | 145 |
| Foreign Born..... | 4 |
| <hr/> | |
| Total..... | 149 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|-----|
| Under 1 year..... | 39 |
| From 1 to 5 years..... | 17 |
| From 5 to 10 years..... | 5 |
| From 10 to 20 years..... | 10 |
| From 20 to 30 years..... | 12 |
| From 30 to 40 years..... | 8 |
| From 40 to 50 years..... | 9 |
| From 50 to 60 years..... | 7 |
| From 60 to 70 years..... | 14 |
| From 70 to 80 years..... | 13 |
| From 80 to 90 years..... | 9 |
| From 90 to 100 years | 1 |
| Age unknown..... | 5 |
| <hr/> | |
| Total..... | 149 |

BIRTHS.

| | |
|-------------|----|
| White..... | 24 |
| Negro | 1 |
| <hr/> | |
| Total..... | 25 |
| Males..... | 12 |

| | |
|--------------|----|
| Females..... | 13 |
| Total..... | 25 |

MARRIAGES.

| | |
|------------|----|
| White..... | 42 |
| Negro..... | 20 |
| Total..... | 62 |

E. B. FRAZER, Registrar.

KENT COUNTY.

THIRD QUARTER, ENDING MARCH 31, 1893.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 1 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 0 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa..... | 0 |
| Dysentery..... | 0 |
| Diphtheria..... | 3 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 8 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 2 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 3 |
| Whooping Cough..... | 0 |
| Zymotics..... | 17 |

| | |
|------------------------------|----|
| Cancer..... | 2 |
| Consumption..... | 16 |
| Congestion of the Lungs..... | 2 |
| Marasmus..... | 2 |
| Bright's Disease..... | 3 |
| Bronchitis..... | 0 |
| Heart Disease..... | 13 |
| Pneumonia..... | 13 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 6 |
| Disease of the Bowels..... | 2 |
| Paralysis..... | 9 |
| General Debility..... | 9 |
| Child Birth..... | 1 |
| Typhoid Pneumonia..... | 2 |
| Dropsy..... | 6 |
| Old Age..... | 5 |
| Gangrene..... | 1 |
| Over Dose of Laudanum.... | 1 |
| Diseases Not Stated..... | 12 |
| All other diseases..... | 5 |

| | |
|------------|-----|
| Total..... | 127 |
|------------|-----|

DECEDENTS.

| | |
|------------|----|
| White..... | 88 |
| Negro..... | 39 |

| | |
|-------------|-----|
| Total..... | 127 |
| Male..... | 71 |
| Female..... | 56 |

| | |
|------------|-----|
| Total..... | 127 |
|------------|-----|

| | |
|--------------------------------|-------|
| Born in the United States..... | 126 |
| Born in Canada..... | 1 |
| | <hr/> |
| Total..... | 127 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|-------|
| Under 1 year..... | 9 |
| From 1 to 5 years..... | 19 |
| From 5 to 10 years..... | 5 |
| From 10 to 20 years..... | 9 |
| From 20 to 30 years..... | 7 |
| From 30 to 40 years..... | 12 |
| From 40 to 50 years..... | 6 |
| From 50 to 60 years..... | 13 |
| From 60 to 70 years..... | 16 |
| From 70 to 80 years..... | 15 |
| From 80 to 90 years..... | 9 |
| From 90 to 100 years..... | 1 |
| 100 years old..... | 1 |
| Age unknown..... | 5 |
| | <hr/> |
| Total..... | 127 |

BIRTHS.

| | |
|--------------|-------|
| White..... | 25 |
| Negro..... | 8 |
| | <hr/> |
| Total..... | 33 |
| | |
| Males..... | 21 |
| Females..... | 12 |
| | <hr/> |
| Total..... | 33 |

MARRIAGES.

| | |
|------------|-------|
| White..... | 67 |
| Negro..... | 10 |
| | <hr/> |
| Total..... | 77 |

E. B. FRAZER, Secretary.

KENT COUNTY.

FOURTH QUARTER, ENDING JUNE 30, 1893.

Marriages, Births and Deaths.

| | |
|--------------------------------|---|
| Alcoholism..... | 0 |
| Croup..... | 0 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 1 |
| Cholera Infantum..... | 2 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa..... | 1 |
| Dysentery..... | 1 |
| Diphtheria..... | 0 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 1 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 2 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 1 |
| Whooping Cough..... | 0 |
| Zymotics..... | 9 |

| | |
|-----------------------------|---|
| Cancer..... | 1 |
| Consumption..... | 7 |
| Typhoid Pneumonia..... | 1 |
| Inanition..... | 1 |
| Bright's Disease..... | 2 |
| Bronchitis..... | 1 |
| Heart Disease..... | 7 |
| Pneumonia..... | 7 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 5 |
| Disease of the Bowels..... | 2 |
| Old Age..... | 8 |
| Paralysis..... | 4 |
| Peritonitis..... | 1 |
| Child Birth..... | 1 |
| Convulsions..... | 1 |
| Teething..... | 1 |
| Dropsy..... | 2 |
| Hernia..... | 1 |
| Worms..... | 1 |
| Stabbed in the Leg..... | 1 |
| Diseases Not Stated..... | 4 |

| | |
|------------|----|
| Total..... | 68 |
|------------|----|

| | |
|-----------------|---|
| Still Born..... | 1 |
|-----------------|---|

DECEDENTS.

| | |
|------------|----|
| White..... | 52 |
| Negro..... | 17 |
| Total..... | 69 |

| | |
|--------------------------------|----|
| Male | 33 |
| Female..... | 36 |
| <hr/> | |
| Total..... | 69 |
| Born in the United States..... | 67 |
| Born in Ireland..... | 2 |
| <hr/> | |
| Total..... | 69 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|----|
| Under 1 year..... | 10 |
| From 1 to 5 years..... | 5 |
| From 5 to 10 years..... | 7 |
| From 10 to 20 years..... | 5 |
| From 20 to 30 years..... | 6 |
| From 30 to 40 years..... | 3 |
| From 40 to 50 years..... | 3 |
| From 50 to 60 years..... | 4 |
| From 60 to 70 years..... | 9 |
| From 70 to 80 years..... | 10 |
| From 80 to 90 years..... | 4 |
| From 90 to 100 years | 0 |
| Age unknown..... | 3 |
| <hr/> | |
| Total..... | 69 |

BIRTHS.

| | |
|------------|---|
| White..... | 6 |
| Negro..... | 1 |
| <hr/> | |
| Total..... | 7 |
| Males..... | 3 |

| | |
|--------------|---|
| Females..... | 4 |
| Total..... | 7 |

MARRIAGES.

| | |
|------------|----|
| White..... | 8 |
| Negro..... | 7 |
| Total..... | 15 |

E. B. FRAZER, Secretary.

RECAPITULATION

*Of Marriages, Births and Deaths in Kent County for
the Year Ending June 30, 1893.*

| | 1st | 2d | 3d | 4th | |
|----------------------------|-------|-------|-------|-------|-----|
| | Quar. | Quar. | Quar. | Quar. | T'l |
| Alcoholism..... | 0 | 1 | 0 | 0 | 1 |
| Croup..... | 1 | 3 | 1 | 0 | 5 |
| Carbuncle..... | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus..... | 0 | 0 | 0 | 1 | 1 |
| Cholera Infantum..... | 8 | 13 | 0 | 2 | 23 |
| Cerebro Spinal Meningitis | 2 | 0 | 0 | 0 | 2 |
| Diarrhœa..... | 0 | 1 | 0 | 1 | 2 |
| Dysentery..... | 3 | 1 | 0 | 1 | 5 |
| Diphtheria..... | 2 | 3 | 3 | 0 | 8 |
| Erysipelas..... | 0 | 0 | 0 | 0 | 0 |
| Intermittent Fever..... | 0 | 1 | 0 | 0 | 1 |
| Measles..... | 0 | 0 | 8 | 1 | 9 |
| Purpura..... | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever..... | 0 | 0 | 0 | 0 | 0 |
| Pyæmia..... | 2 | 0 | 0 | 0 | 2 |
| Remittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Rheumatism..... | 2 | 0 | 0 | 0 | 2 |
| Scarlet Fever..... | 0 | 0 | 2 | 2 | 4 |
| Small Pox..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital)..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis..... | 0 | 0 | 0 | 0 | 0 |
| Septicæmia..... | 0 | 0 | 0 | 0 | 0 |
| Tonsilitis..... | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever..... | 11 | 5 | 3 | 1 | 20 |
| Whooping Cough..... | 0 | 0 | 0 | 0 | 0 |
| Zymotics..... | 31 | 28 | 17 | 9 | 85 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|------------------------------|--------------|-------------|-------------|--------------|-----|
| Typhoid Pneumonia..... | 0 | 0 | 2 | 1 | 3 |
| Cancer..... | 1 | 4 | 2 | 1 | 8 |
| Consumption..... | 13 | 25 | 16 | 7 | 61 |
| Marasmus..... | 3 | 4 | 2 | 0 | 9 |
| • Inanition..... | 1 | 0 | 0 | 0 | 1 |
| Meningitis..... | 1 | 1 | 0 | 0 | 2 |
| Bright's Disease..... | 0 | 0 | 3 | 2 | 5 |
| Bronchitis..... | 1 | 0 | 0 | 1 | 2 |
| Heart Disease..... | 6 | 8 | 13 | 7 | 34 |
| Pneumonia..... | 0 | 7 | 13 | 7 | 27 |
| Accidents..... | 1 | 0 | 1 | 0 | 2 |
| Accidents on Railroads..... | 0 | 1 | 0 | 0 | 1 |
| Disease of the Brain..... | 4 | 5 | 6 | 5 | 20 |
| Disease of the Bowels..... | 3 | 3 | 2 | 2 | 10 |
| General Debility..... | 11 | 3 | 9 | 0 | 23 |
| Peritonitis..... | 1 | 4 | 0 | 1 | 6 |
| Congestion of Lungs..... | 2 | 1 | 2 | 0 | 5 |
| Burned..... | 1 | 0 | 0 | 0 | 1 |
| Drowned..... | 1 | 0 | 0 | 0 | 1 |
| Typho Malarial Fever..... | 2 | 1 | 0 | 0 | 3 |
| La Grippe..... | 1 | 0 | 0 | 0 | 1 |
| Dropsy..... | 1 | 2 | 6 | 2 | 11 |
| Child Birth..... | 2 | 1 | 1 | 1 | 5 |
| Killed by Lightning..... | 1 | 0 | 0 | 0 | 1 |
| Old Age..... | 1 | 19 | 5 | 8 | 33 |
| Convulsions..... | 0 | 1 | 0 | 3 | 4 |
| Poisoned by Canned Corn..... | 0 | 1 | 0 | 0 | 1 |
| Hiccough..... | 0 | 1 | 0 | 0 | 1 |
| Tetanus..... | 0 | 1 | 0 | 0 | 1 |
| Paralysis..... | 0 | 0 | 9 | 4 | 13 |
| Gangrene..... | 0 | 0 | 1 | 0 | 1 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|--------------------------|--------------|-------------|-------------|--------------|-----|
| Diseases Not Stated..... | 7 | 18 | 12 | 7 | 44 |
| All Other Diseases..... | 10 | 10 | 5 | 0 | 25 |
| Total..... | 106 | 149 | 127 | 68 | 450 |
| Still Born..... | 1 | 0 | 0 | 1 | 2 |

DECEDENTS.

| | |
|--------------------------------|-----|
| White..... | 300 |
| Negro..... | 146 |
| Not Stated..... | 5 |
| Total..... | 451 |
| Males..... | 218 |
| Females..... | 233 |
| Total..... | 451 |
| Born in the United States..... | 444 |
| Foreign Born..... | 7 |
| Total..... | 451 |

AGES OF THE DECEDENTS.

| | |
|--------------------------|----|
| Under 1 year..... | 86 |
| From 1 to 5 years..... | 47 |
| From 5 to 10 years..... | 20 |
| From 10 to 20 years..... | 41 |
| From 20 to 30 years..... | 36 |
| From 30 to 40 years..... | 28 |
| From 40 to 50 years..... | 19 |
| From 50 to 60 years..... | 28 |
| From 60 to 70 years..... | 46 |

| | |
|----------------------------|----|
| From 70 to 80 years..... | 47 |
| From 80 to 90 years..... | 33 |
| From 90 to 100 years | 3 |
| 100 years old..... | 1 |
| Age unknown..... | 16 |

| | |
|------------|-----|
| Total..... | 451 |
|------------|-----|

BIRTHS.

| | |
|------------|----|
| White..... | 61 |
| Negro..... | 10 |

| | |
|------------|----|
| Total..... | 71 |
|------------|----|

| | |
|--------------|----|
| Males..... | 39 |
| Females..... | 32 |

| | |
|------------|----|
| Total..... | 71 |
|------------|----|

MARRIAGES.

| | |
|------------|-----|
| White..... | 134 |
| Negro..... | 42 |

| | |
|------------|-----|
| Total..... | 176 |
|------------|-----|

| | |
|-----------------|---|
| Still Born..... | 2 |
|-----------------|---|

Error of one in the deaths.

E. B. FRAZER, Secretary.

SUSSEX COUNTY.

FIRST QUARTER, ENDING SEPTEMBER 30, 1892.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 1 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 17 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa..... | 2 |
| Dysentery..... | 7 |
| Diphtheria..... | 0 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 3 |
| Whooping Cough..... | 1 |
| Zymotics..... | 31 |

| | |
|-----------------------------|----|
| Cancer..... | 2 |
| Consumption..... | 6 |
| Marasmus..... | 4 |
| Tubercular Meningitis..... | 1 |
| Bright's Disease..... | 1 |
| Bronchitis..... | 1 |
| Heart Disease..... | 4 |
| Pneumonia..... | 1 |
| Accidents..... | 1 |
| Accidents on Railroads..... | 1 |
| Disease of the Brain..... | 2 |
| Disease of the Bowels..... | 4 |
| Senile Gangrene..... | 1 |
| Cystitis..... | 1 |
| Old Age..... | 5 |
| Entero Colitis..... | 1 |
| Poisoned..... | 1 |
| General Debility..... | 1 |
| Sunstroke..... | 1 |
| Shot Himself..... | 1 |
| Dropsy..... | 2 |
| Paralysis..... | 1 |
| Convulsions..... | 1 |
| Killed by Lightning..... | 1 |
| Child Birth..... | 1 |
| All other diseases..... | 13 |
| Diseases Not Stated..... | 2 |
| Unknown..... | 1 |
| <hr/> | |
| Total..... | 62 |
| Zymotics..... | 31 |
| <hr/> | |
| Total Deaths..... | 93 |

| | |
|--|----|
| Still Born..... | 3 |
| Brought to Sussex county from Norfolk, Va..... | 1 |
| Total deaths..... | 92 |

DECEDENTS.

| | |
|--------------------------------|----|
| White..... | 88 |
| Negro..... | 5 |
| Total..... | 93 |
| Males..... | 46 |
| Females..... | 47 |
| Total..... | 93 |
| Born in the United States..... | 93 |
| Foreign Born..... | 0 |
| Total..... | 93 |

AGES OF THE DECEDENTS.

| | |
|--------------------------|----|
| Under 1 year..... | 23 |
| From 1 to 5 years..... | 14 |
| From 5 to 20 years..... | 8 |
| From 20 to 40 years..... | 11 |
| From 40 to 60 years..... | 10 |
| From 60 to 80 years..... | 16 |
| From 80 to 90 years..... | 8 |
| Not Stated..... | 3 |
| Total..... | 93 |

BIRTHS.

| | |
|------------|----|
| White..... | 72 |
|------------|----|

| | |
|--------------|----|
| Negro..... | 2 |
| Total..... | 74 |
| Males..... | 37 |
| Females..... | 37 |
| Total..... | 74 |

MARRIAGES.

| | |
|----------------------|----|
| White..... | 23 |
| Negro..... | 1 |
| Color Not Given..... | 1 |
| Total..... | 25 |

E. B. FRAZER, Secretary.

SUSSEX COUNTY.

SECOND QUARTER, ENDING DECEMBER 31, 1892.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 7 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 7 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa..... | 1 |
| Dysentery..... | 3 |
| Diphtheria..... | 5 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 1 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 7 |
| Whooping Cough..... | 5 |
| Zymotics..... | 36 |

| | |
|-----------------------------|----|
| Cancer..... | 1 |
| Consumption..... | 27 |
| Marasmus..... | 2 |
| Bright's Disease..... | 1 |
| Bronchitis..... | 1 |
| Heart Disease..... | 7 |
| Pneumonia..... | 16 |
| Accidents..... | 2 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 5 |
| Disease of the Bowels..... | 2 |
| Burned..... | 2 |
| Old Age..... | 7 |
| Sunstroke..... | 1 |
| Insanity..... | 1 |
| Drowned..... | 2 |
| General Debility..... | 5 |
| Tetanus..... | 1 |
| Dropsy..... | 4 |
| La Grippe..... | 1 |
| Convulsions..... | 1 |
| Paralysis..... | 1 |
| Diseases Not Stated..... | 6 |
| All other diseases..... | 15 |

| | |
|--------------------|-----|
| Total Deaths | 147 |
|--------------------|-----|

| | |
|-----------------|---|
| Still Born..... | 3 |
|-----------------|---|

DECEDENTS.

| | |
|------------|-----|
| White..... | 122 |
| Negro..... | 28 |
| <hr/> | |
| Total..... | 150 |

| | |
|--------------------------------|-----|
| Males | 81 |
| Females..... | 69 |
| <hr/> | |
| Total..... | 150 |
| Born in the United States..... | 148 |
| Foreign Born..... | 2 |
| <hr/> | |
| Total..... | 150 |

AGES OF THE DECEDENTS.

| | |
|--------------------------|-----|
| Under 1 year..... | 14 |
| From 1 to 5 years..... | 23 |
| From 5 to 10 years..... | 8 |
| From 10 to 20 years..... | 14 |
| From 20 to 30 years..... | 6 |
| From 30 to 40 years..... | 7 |
| From 40 to 50 years..... | 12 |
| From 50 to 60 years..... | 10 |
| From 60 to 70 years..... | 19 |
| From 70 to 80 years..... | 17 |
| From 80 to 90 years..... | 7 |
| Not Stated... .. | 13 |
| <hr/> | |
| Total..... | 150 |

BIRTHS.

| | |
|--------------|----|
| White..... | 47 |
| Negro | 2 |
| <hr/> | |
| Total..... | 49 |
| Males..... | 22 |
| Females..... | 27 |
| <hr/> | |
| Total..... | 49 |

MARRIAGES.

| | |
|-------------|----|
| White..... | 76 |
| Negro | 8 |
| <hr/> | |
| Total..... | 84 |

E. B. FRAZER, Secretary.

SUSSEX COUNTY.

THIRD QUARTER, ENDING APRIL 1, 1893.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 4 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 4 |
| Cerebro Spinal Meningitis..... | 1 |
| Diarrhœa..... | 1 |
| Dysentery..... | 0 |
| Diphtheria..... | 1 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 7 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 3 |
| Whooping Cough..... | 0 |
| Zymotics..... | 21 |

| | |
|-----------------------------|-----|
| Cancer..... | 4 |
| Consumption..... | 21 |
| Bright's Disease..... | 1 |
| Bronchitis..... | 0 |
| Heart Disease..... | 8 |
| Pneumonia..... | 14 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 10 |
| Disease of the Bowels..... | 3 |
| Old Age..... | 13 |
| Dropsy..... | 3 |
| Meningitis..... | 2 |
| Typhoid Pneumonia..... | 1 |
| Influenza..... | 2 |
| Explosion of a Gun..... | 1 |
| All other diseases..... | 15 |
| Diseases Not Stated..... | 4 |
| <hr/> | |
| Total..... | 103 |
| Zymotics..... | 21 |
| <hr/> | |
| Total Deaths | 124 |
| Still Born..... | 6 |

DECEDENTS.

| | |
|-------------|-----|
| White..... | 111 |
| Negro..... | 13 |
| <hr/> | |
| Total..... | 124 |
| Males | 55 |

| | |
|--------------------------------|-----|
| Females..... | 69 |
| Total..... | 124 |
| Born in the United States..... | 123 |
| Foreign Born..... | 1 |
| Total..... | 124 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|-----|
| Under 1 year..... | 16 |
| From 1 to 5 years..... | 5 |
| From 5 to 10 years..... | 2 |
| From 10 to 20 years..... | 13 |
| From 20 to 30 years..... | 13 |
| From 30 to 40 years..... | 14 |
| From 40 to 50 years..... | 6 |
| From 50 to 60 years..... | 10 |
| From 60 to 70 years..... | 16 |
| From 70 to 80 years..... | 13 |
| From 80 to 90 years..... | 10 |
| From 90 to 100 years | 3 |
| Not Stated | 3 |
| Total..... | 124 |

BIRTHS.

| | |
|--------------|----|
| White..... | 28 |
| Negro | 4 |
| Total..... | 32 |
| Males..... | 13 |
| Females..... | 19 |
| Total..... | 32 |

MARRIAGES.

| | |
|------------|----|
| White..... | 59 |
| Negro..... | 4 |
| <hr/> | |
| Total..... | 63 |

E. B. FRAZER, Secretary.

SUSSEX COUNTY.

FOURTH QUARTER, ENDING JUNE 30, 1893.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 1 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 3 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa..... | 0 |
| Dysentery..... | 0 |
| Diphtheria..... | 2 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 4 |
| Purpura..... | 0 |
| Puerperal Fever..... | 1 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 1 |
| Scarlet Fever..... | 2 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 1 |
| Typhoid Fever..... | 1 |
| Whooping Cough..... | 4 |
| Zymotics..... | 20 |

| | |
|------------------------------|----|
| Cancer..... | 2 |
| Consumption..... | 13 |
| Meningitis..... | 1 |
| Bright's Disease..... | 1 |
| Bronchitis..... | 1 |
| Heart Disease..... | 10 |
| Pneumonia..... | 5 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 2 |
| Disease of the Brain..... | 2 |
| Disease of the Bowels..... | 2 |
| Old Age..... | 6 |
| Murdered..... | 1 |
| Paralysis..... | 2 |
| Drowned..... | 1 |
| Burned..... | 1 |
| Tetanus..... | 1 |
| Dropsy..... | 3 |
| Killed in a Foundry..... | 1 |
| Fell and Broke Her Neck..... | 1 |
| Gun Shot Wound..... | 1 |
| All other diseases..... | 6 |
| Diseases Not Stated..... | 8 |

| | |
|------------|----|
| Total..... | 91 |
|------------|----|

DECEDENTS.

| | |
|------------|----|
| White..... | 79 |
| Negro..... | 12 |

| | |
|------------|----|
| Total..... | 91 |
| Males..... | 49 |

| | |
|--------------------------------|----|
| Females..... | 42 |
| Total..... | 91 |
| Born in the United States..... | 91 |
| Foreign Born..... | 0 |
| Total..... | 91 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|----|
| Under 1 year..... | 9 |
| From 1 to 5 years..... | 9 |
| From 5 to 10 years..... | 7 |
| From 10 to 20 years..... | 9 |
| From 20 to 30 years..... | 7 |
| From 30 to 40 years..... | 6 |
| From 40 to 50 years..... | 4 |
| From 50 to 60 years..... | 5 |
| From 60 to 70 years..... | 15 |
| From 70 to 80 years..... | 10 |
| From 80 to 90 years..... | 9 |
| From 90 to 100 years..... | 0 |
| Not Stated... .. | 1 |
| Total..... | 91 |

BIRTHS.

| | |
|--------------|----|
| White..... | 31 |
| Negro..... | 0 |
| Total..... | 31 |
| Males..... | 14 |
| Females..... | 17 |
| Total..... | 31 |

MARRIAGES.

| | |
|-------------|-------|
| White..... | 30 |
| Negro | 3 |
| | <hr/> |
| Total..... | 33 |

Eleven of the decedents were brought into Sussex county for interment.

There were eight cases giving no cause of death.

E. B. FRAZER, Secretary.

RECAPITULATION

*Of Marriages, Births and Deaths in Sussex County for
the Year Ending June 30, 1893.*

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | Tot |
|-----------------------------|--------------|-------------|-------------|--------------|-----|
| Alcoholism..... | 0 | 0 | 0 | 0 | 0 |
| Croup | 1 | 7 | 4 | 1 | 13 |
| Carbuncle..... | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus..... | 0 | 0 | 0 | 0 | 0 |
| Cholera Infantum..... | 17 | 7 | 4 | 3 | 31 |
| Cerebro Spinal Meningitis | 0 | 0 | 1 | 0 | 1 |
| Diarrhœa..... | 2 | 1 | 1 | 0 | 4 |
| Dysentery | 7 | 3 | 0 | 0 | 10 |
| Diphtheria..... | 0 | 5 | 1 | 2 | 8 |
| Erysipelas..... | 0 | 0 | 0 | 0 | 0 |
| Intermittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Measles..... | 0 | 0 | 7 | 4 | 11 |
| Purpura | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever | 0 | 0 | 0 | 1 | 1 |
| Pyæmia | 0 | 1 | 0 | 0 | 1 |
| Remittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Rheumatism..... | 0 | 0 | 0 | 1 | 1 |
| Scarlet Fever..... | 0 | 0 | 0 | 2 | 2 |
| Small Pox..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital) | 0 | 0 | 0 | 0 | 0 |
| Syphilis..... | 0 | 0 | 0 | 0 | 0 |
| Septicæmia..... | 0 | 0 | 0 | 0 | 0 |
| Tonsilitis..... | 0 | 0 | 0 | 1 | 1 |
| Typhoid Fever..... | 3 | 7 | 3 | 1 | 14 |
| Whooping Cough..... | 1 | 5 | 0 | 4 | 10 |
| Total..... | 31 | 36 | 21 | 20 | 108 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|------------------------------|--------------|-------------|-------------|--------------|-----|
| La Grippe | 0 | 1 | 2 | 0 | 3 |
| Cancer | 2 | 1 | 4 | 2 | 9 |
| Consumption | 6 | 27 | 21 | 13 | 67 |
| Marasmus | 4 | 2 | 0 | 0 | 6 |
| Tubercular Meningitis | 1 | 0 | 3 | 1 | 5 |
| Typhoid Pneumonia | 0 | 0 | 1 | 0 | 1 |
| Bright's Disease | 1 | 1 | 1 | 1 | 4 |
| Bronchitis | 1 | 1 | 0 | 1 | 3 |
| Heart Disease | 4 | 7 | 8 | 10 | 29 |
| Pneumonia | 1 | 16 | 14 | 5 | 36 |
| Accidents | 1 | 4 | 1 | 1 | 7 |
| Accidents on Railroads | 1 | 0 | 0 | 2 | 3 |
| Disease of the Brain | 2 | 5 | 10 | 2 | 19 |
| Disease of the Bowels | 4 | 2 | 3 | 2 | 11 |
| Senile Gangrene | 1 | 0 | 0 | 0 | 1 |
| Cystitis | 1 | 0 | 0 | 0 | 1 |
| Old Age | 5 | 7 | 13 | 6 | 31 |
| Enterocolitis | 1 | 0 | 0 | 0 | 1 |
| Poisoned | 1 | 0 | 0 | 0 | 1 |
| General Debility | 1 | 5 | 0 | 0 | 6 |
| Sunstroke | 1 | 1 | 0 | 0 | 2 |
| Shot Himself | 1 | 0 | 0 | 0 | 1 |
| Dropsy | 2 | 4 | 3 | 3 | 12 |
| Paralysis | 1 | 1 | 0 | 2 | 4 |
| Convulsions | 1 | 1 | 0 | 0 | 2 |
| Killed by Lightning | 1 | 0 | 0 | 0 | 1 |
| Child Birth | 1 | 0 | 0 | 0 | 1 |
| Burned | 0 | 2 | 1 | 0 | 3 |
| Insanity | 0 | 1 | 0 | 0 | 1 |
| Tetanus | 0 | 1 | 0 | 1 | 2 |
| Killed in a Foundry | 0 | 0 | 0 | 1 | 1 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|---------------------------|--------------|-------------|-------------|--------------|-----|
| Fell and Broke Her Neck.. | 0 | 0 | 0 | 1 | 1 |
| Gun Shot Wound..... | 0 | 0 | 0 | 1 | 1 |
| Murdered..... | 0 | 0 | 0 | 1 | 1 |
| Unknown..... | 1 | 0 | 4 | 0 | 5 |
| All other diseases..... | 13 | 15 | 15 | 6 | 49 |
| Diseases Not Stated..... | 2 | 6 | 0 | 8 | 16 |
| Total..... | 93 | 147 | 124 | 91 | 455 |
| Still Born..... | 3 | 3 | 6 | | |

DECEDENTS.

| | |
|--------------------------------|-----|
| White..... | 400 |
| Negro..... | 58 |
| Total..... | 458 |
| Males..... | 231 |
| Females..... | 227 |
| Total..... | 458 |
| Born in the United States..... | 455 |
| Foreign Born..... | 3 |
| Total..... | 458 |

AGES OF THE DECEDENTS.

| | |
|--------------------------|----|
| Under 1 year..... | 62 |
| From 1 to 5 years..... | 51 |
| From 5 to 10 years..... | 25 |
| From 10 to 20 years..... | 36 |
| From 20 to 30 years..... | 26 |
| From 30 to 40 years..... | 27 |

| | |
|----------------------------|-----|
| From 40 to 50 years..... | 33 |
| From 50 to 60 years..... | 25 |
| From 60 to 70 years..... | 60 |
| From 70 to 80 years..... | 40 |
| From 80 to 90 years..... | 42 |
| From 90 to 100 years | 11 |
| Not Stated... .. | 10 |
| <hr/> | |
| Total..... | 458 |

BIRTHS.

| | |
|--------------|-----|
| White..... | 178 |
| Negro | 8 |
| <hr/> | |
| Total..... | 186 |
| Males..... | 86 |
| Females..... | 100 |
| <hr/> | |
| Total..... | 186 |

MARRIAGES.

| | |
|-----------------|-----|
| White..... | 188 |
| Negro | 16 |
| <hr/> | |
| Total..... | 204 |
| Still Born..... | 12 |

E. B. FRAZER, Secretary.

MORTUARY REPORT

In the State for the Year Ending June 30, 1893.

RECAPITULATION.

| | Marriages. | Births. | Deaths. |
|------------------------|------------|---------|---------|
| New Castle County..... | 681 | 1665 | 1716 |
| Kent County..... | 176 | 71 | 451 |
| Sussex County..... | 204 | 186 | 458 |
| | <hr/> | <hr/> | <hr/> |
| Total..... | 1061 | 1922 | 2665 |
| Compared with 1892 ... | 1036 | 2224 | 2813 |

POPULATION CENSUS, 1890.

| | |
|------------------------------|---------|
| New Castle County | 97,182 |
| Kent County..... | 32,664 |
| Sussex County..... | 38,647 |
| | <hr/> |
| Population of the State..... | 168,493 |

The annual death rate in the one thousand inhabitants is, for the year ending June 30th, 1893, 15.82.

CONSUMPTION IN THE STATE DURING 1893.

| | | |
|------------------------|------|------|
| | 1892 | 1893 |
| New Castle County..... | 160 | 185 |

| | | |
|--------------------|-------|-------|
| Kent County..... | 51 | 61 |
| Sussex County..... | 84 | 67 |
| | <hr/> | <hr/> |
| Totals..... | 295 | 313 |

E. B. FRAZER, Secretary.

NEW CASTLE COUNTY.

FIRST QUARTER, ENDING SEPTEMBER 30, 1893.

Marriages, Births and Deaths.

| | |
|--------------------------------|-----|
| Alcoholism..... | 3 |
| Croup..... | 1 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 3 |
| Cholera Infantum..... | 73 |
| Cerebro Spinal Meningitis..... | 1 |
| Diarrhœa..... | 6 |
| Dysentery..... | 19 |
| Diphtheria..... | 3 |
| Erysipelas..... | 1 |
| Intermittent Fever..... | 0 |
| Measles..... | 1 |
| Purpura..... | 0 |
| Puerperal Fever..... | 1 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 3 |
| Rheumatism..... | 2 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 1 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 2 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 31 |
| Whooping Cough..... | 0 |
| Zymotics..... | 151 |

| | |
|-----------------------------|-----|
| Cancer..... | 7 |
| Consumption..... | 56 |
| Meningitis..... | 29 |
| Marasmus..... | 32 |
| Tubercular Meningitis..... | 4 |
| Bright's Disease..... | 5 |
| Bronchitis..... | 7 |
| Heart Disease..... | 28 |
| Pneumonia..... | 14 |
| Accidents..... | 3 |
| Accidents on Railroads..... | 4 |
| Disease of the Brain..... | 27 |
| Disease of the Bowels..... | 21 |
| Dropsy..... | 9 |
| Peritonitis..... | 6 |
| Old Age..... | 13 |
| General Debility..... | 9 |
| Congestion of Lungs..... | 4 |
| Paralysis..... | 14 |
| Malarial Fever..... | 4 |
| Shot Wound..... | 1 |
| Difficult Labor..... | 2 |
| Burned..... | 1 |
| Convulsions..... | 8 |
| Inanition..... | 31 |
| Hepatitis..... | 2 |
| Tetanus..... | 4 |
| Tabes Mesenterica..... | 2 |
| Premature Births..... | 8 |
| Teething..... | 1 |
| All other diseases..... | 54 |
| <hr/> | |
| Total Deaths..... | 561 |

| | |
|---------------------------------|----|
| Still Born..... | 23 |
| Brought Here for Interment..... | 34 |

DECEDENTS.

| | |
|------------|-----|
| White..... | 422 |
| Negro..... | 139 |

| | |
|------------|-----|
| Total..... | 561 |
|------------|-----|

| | |
|--------------|-----|
| Males..... | 268 |
| Females..... | 293 |

| | |
|------------|-----|
| Total..... | 561 |
|------------|-----|

| | |
|--------------------------------|-----|
| Born in the United States..... | 514 |
| Foreign Born..... | 47 |

| | |
|------------|-----|
| Total..... | 561 |
|------------|-----|

AGES OF THE DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year..... | 180 |
| From 1 to 5 years..... | 61 |
| From 5 to 10 years..... | 23 |
| From 10 to 20 years..... | 28 |
| From 20 to 30 years..... | 45 |
| From 30 to 40 years..... | 38 |
| From 40 to 50 years..... | 33 |
| From 50 to 60 years..... | 29 |
| From 60 to 70 years..... | 41 |
| From 70 to 80 years..... | 52 |
| From 80 to 90 years..... | 12 |
| From 90 to 100 years..... | 7 |
| Not Stated..... | 12 |

| | |
|------------|-----|
| Total..... | 561 |
|------------|-----|

BIRTHS.

| | |
|--------------|-------|
| White..... | 397 |
| Negro..... | 40 |
| | <hr/> |
| Total..... | 437 |
| Males..... | 245 |
| Females..... | 192 |
| | <hr/> |
| Total..... | 437 |

MARRIAGES.

| | |
|------------|-------|
| White..... | 114 |
| Negro..... | 18 |
| | <hr/> |
| Total..... | 132 |

E. B. FRAZER, Secretary.

NEW CASTLE COUNTY.

SECOND QUARTER, ENDING DECEMBER 31, 1893.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 7 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 1 |
| Cholera Infantum..... | 6 |
| Cerebro Spinal Meningitis..... | 6 |
| Diarrhœa..... | 0 |
| Dysentery..... | 3 |
| Diphtheria..... | 5 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura..... | 0 |
| Puerperal Fever..... | 4 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 1 |
| Scarlet Fever..... | 2 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 1 |
| Septicæmia..... | 1 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 19 |
| Whooping Cough..... | 0 |
| Zymotics..... | 56 |

| | |
|-----------------------------------|----|
| Typhoid Pneumonia..... | 3 |
| Tubercular Laryngitis..... | 1 |
| Cancer..... | 8 |
| Consumption..... | 35 |
| Meningitis..... | 13 |
| Marasmus..... | 12 |
| Inanition..... | 15 |
| Bright's Disease..... | 8 |
| Bronchitis..... | 4 |
| Heart Disease..... | 24 |
| Pneumonia..... | 41 |
| Accidents..... | 4 |
| Accidents on Railroads..... | 6 |
| Disease of the Brain..... | 20 |
| Disease of the Bowels..... | 15 |
| Gun Shot Wound..... | 2 |
| Convulsions..... | 11 |
| Old Age and General Debility..... | 22 |
| Paralysis..... | 12 |
| Dropsy..... | 5 |
| Kicked by a Horse..... | 1 |
| Influenza..... | 12 |
| Peritonitis..... | 3 |
| Bronchial Catarrh..... | 3 |
| Catarrh of Lungs..... | 1 |
| Killed by a Street Car..... | 1 |
| Drowned..... | 2 |
| Suicide..... | 1 |
| Congestion of Lungs..... | 2 |
| Scrofula..... | 1 |
| Found near Stanton, Delaware..... | 1 |
| Premature Births..... | 7 |

| | |
|---------------------------------|-----|
| All other diseases..... | 30 |
| Total Deaths..... | 382 |
| Still Born..... | 10 |
| Brought Here for Interment..... | 20 |

DECEDENTS.

| | |
|--------------------------------|-----|
| White..... | 323 |
| Negro..... | 59 |
| Total..... | 382 |
| Males..... | 183 |
| Females..... | 199 |
| Total..... | 382 |
| Born in the United States..... | 331 |
| Foreign Born..... | 51 |
| Total..... | 382 |

AGES OF THE DECEDENTS.

| | |
|--------------------------|----|
| Under 1 year..... | 66 |
| From 1 to 5 years..... | 50 |
| From 5 to 10 years..... | 7 |
| From 10 to 20 years..... | 21 |
| From 20 to 30 years..... | 46 |
| From 30 to 40 years..... | 26 |
| From 40 to 50 years..... | 22 |
| From 50 to 60 years..... | 24 |
| From 60 to 70 years..... | 33 |
| From 70 to 80 years..... | 49 |
| From 80 to 90 years..... | 23 |

| | |
|----------------------------|-------|
| From 90 to 100 years | 3 |
| Not Stated... .. | 12 |
| | <hr/> |
| Total..... | 382 |

BIRTHS.

| | |
|--------------|-------|
| White..... | 642 |
| Negro | 41 |
| | <hr/> |
| Total..... | 683 |
| Males..... | 355 |
| Females..... | 328 |
| | <hr/> |
| Total..... | 683 |

MARRIAGES.

| | |
|-------------|-------|
| White..... | 143 |
| Negro | 26 |
| | <hr/> |
| Total..... | 169 |

E. B. FRAZER, Secretary.

NEW CASTLE COUNTY.

THIRD QUARTER, ENDING MARCH 31, 1894.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 1 |
| Croup..... | 7 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 0 |
| Cerebro Spinal Meningitis..... | 4 |
| Diarrhœa..... | 1 |
| Dysentery..... | 0 |
| Diphtheria..... | 3 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 2 |
| Purpura..... | 0 |
| Puerperal Fever..... | 2 |
| Pyæmia..... | 2 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 1 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 2 |
| Tonsilitis..... | 1 |
| Typhoid Fever..... | 8 |
| Whooping Cough..... | 1 |
| Zymotics..... | 35 |

| | |
|-----------------------------------|-----|
| Scrofula..... | 1 |
| Cancer..... | 9 |
| Consumption..... | 39 |
| Meningitis..... | 11 |
| Marasmus..... | 12 |
| Inanition..... | 15 |
| Bright's Disease..... | 10 |
| Bronchitis..... | 14 |
| Heart Disease..... | 40 |
| Pneumonia..... | 53 |
| Accidents..... | 4 |
| Accidents on Railroads..... | 8 |
| Disease of the Brain..... | 34 |
| Disease of the Bowels..... | 18 |
| Pistol and Gun Shot Wounds..... | 3 |
| Peritonitis..... | 6 |
| Paralysis..... | 14 |
| Old Age and General Debility..... | 18 |
| Convulsions..... | 19 |
| Dropsy..... | 2 |
| Influenza..... | 20 |
| Suicide..... | 1 |
| Pleurisy..... | 2 |
| Drowned..... | 3 |
| Paresis..... | 1 |
| Inflammation of Lungs..... | 2 |
| Congestion of Lungs..... | 3 |
| Malarial Fever..... | 1 |
| Ovarian Tumor..... | 1 |
| All other diseases..... | 39 |
| Total Deaths..... | 438 |
| Premature Births..... | 14 |

| | |
|---------------------------------|----|
| Still Born..... | 20 |
| Brought Here for Interment..... | 28 |

DECEDENTS.

| | |
|------------|-----|
| White..... | 344 |
| Negro..... | 94 |

| | |
|------------|-----|
| Total..... | 438 |
|------------|-----|

| | |
|--------------|-----|
| Males..... | 215 |
| Females..... | 223 |

| | |
|------------|-----|
| Total..... | 438 |
|------------|-----|

| | |
|--------------------------------|-----|
| Born in the United States..... | 380 |
| Foreign Born..... | 58 |

| | |
|------------|-----|
| Total..... | 438 |
|------------|-----|

AGES OF THE DECEDENTS.

| | |
|---------------------------|----|
| Under 1 year..... | 96 |
| From 1 to 5 years..... | 50 |
| From 5 to 10 years..... | 9 |
| From 10 to 20 years..... | 19 |
| From 20 to 30 years..... | 33 |
| From 30 to 40 years..... | 33 |
| From 40 to 50 years..... | 32 |
| From 50 to 60 years..... | 46 |
| From 60 to 70 years..... | 48 |
| From 70 to 80 years..... | 41 |
| From 80 to 90 years..... | 25 |
| From 90 to 100 years..... | 3 |
| Not Stated... .. | 3 |

| | |
|------------|-----|
| Total..... | 438 |
|------------|-----|

BIRTHS.

| | |
|--------------|-----|
| White..... | 297 |
| Negro..... | 40 |
| <hr/> | |
| Total..... | 337 |
| Males..... | 168 |
| Females..... | 169 |
| <hr/> | |
| Total..... | 337 |

MARRIAGES.

| | |
|------------|-----|
| White..... | 120 |
| Negro..... | 16 |
| <hr/> | |
| Total..... | 136 |

E. B. FRAZER, Secretary.

NEW CASTLE COUNTY.

FOURTH QUARTER, ENDING JUNE 30, 1894.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 2 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 16 |
| Cerebro Spinal Meningitis..... | 4 |
| Diarrhœa..... | 1 |
| Dysentery..... | 3 |
| Diphtheria..... | 3 |
| Erysipelas..... | 3 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura..... | 0 |
| Puerperal Fever..... | 2 |
| Pyæmia..... | 2 |
| Remittent Fever..... | 1 |
| Rheumatism..... | 2 |
| Scarlet Fever..... | 1 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 1 |
| Syphilis..... | 0 |
| Septicæmia..... | 2 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 4 |
| Whooping Cough..... | 4 |
| <hr/> | |
| Zymotics..... | 51 |

| | |
|-----------------------------|----|
| Typhoid Pneumonia..... | 3 |
| Cancer..... | 4 |
| Consumption..... | 37 |
| Meningitis..... | 11 |
| Marasmus..... | 10 |
| Inanition..... | 9 |
| Bright's Disease..... | 6 |
| Bronchitis..... | 2 |
| Heart Disease..... | 25 |
| Pneumonia..... | 26 |
| Accidents..... | 3 |
| Accidents on Railroads..... | 2 |
| Disease of the Brain..... | 25 |
| Disease of the Bowels..... | 14 |
| Hepatitis..... | 3 |
| Paralysis..... | 13 |
| Convulsions..... | 11 |
| Entero Colitis..... | 3 |
| Child Birth..... | 1 |
| Old Age..... | 14 |
| Peritonitis..... | 4 |
| Appendicitis..... | 1 |
| Asphixia..... | 1 |
| Gun Shot Wound..... | 2 |
| General Debility..... | 5 |
| Premature Births..... | 2 |
| Drowned..... | 2 |
| Dropsy..... | 1 |
| Malarial Fever..... | 1 |
| Murdered..... | 1 |
| Congestion of Lungs..... | 3 |
| Congestion of Brains..... | 1 |

| | |
|---------------------------------|-----|
| All other diseases..... | 22 |
| Total Deaths..... | 319 |
| Still Born..... | 9 |
| Brought Here for Interment..... | 23 |

DECEDENTS.

| | |
|--------------------------------|-----|
| White..... | 265 |
| Negro..... | 54 |
| Total..... | 319 |
| Males..... | 157 |
| Females..... | 162 |
| Total..... | 319 |
| Born in the United States..... | 282 |
| Foreign Born..... | 37 |
| Total..... | 319 |

AGES OF THE DECEDENTS.

| | |
|--------------------------|----|
| Under 1 year..... | 81 |
| From 1 to 5 years..... | 30 |
| From 5 to 10 years..... | 11 |
| From 10 to 20 years..... | 18 |
| From 20 to 30 years..... | 28 |
| From 30 to 40 years..... | 21 |
| From 40 to 50 years..... | 20 |
| From 50 to 60 years..... | 35 |
| From 60 to 70 years..... | 26 |
| From 70 to 80 years..... | 32 |
| From 80 to 90 years..... | 14 |

| | |
|----------------------------|-------|
| From 90 to 100 years | 1 |
| Not Stated... .. | 2 |
| | <hr/> |
| Total..... | 319 |

BIRTHS.

| | |
|--------------|-------|
| White..... | 478 |
| Negro..... | 42 |
| | <hr/> |
| Total..... | 520 |
| Males..... | 283 |
| Females..... | 237 |
| | <hr/> |
| Total..... | 520 |

MARRIAGES.

| | |
|------------|-------|
| White..... | 126 |
| Negro..... | 21 |
| | <hr/> |
| Total..... | 147 |

E. B. FRAZER, Secretary.

RECAPITULATION

*Of Marriages, Births and Deaths in New Castle County
for the Year Ending June 30, 1894.*

| | 1st | 2d | 3d | 4th | T'l |
|----------------------------|-------|-------|-------|-------|-----|
| | Quar. | Quar. | Quar. | Quar. | |
| Alcoholism..... | 3 | 0 | 1 | 0 | 4 |
| Croup..... | 1 | 7 | 7 | 2 | 17 |
| Carbuncle..... | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus..... | 3 | 1 | 0 | 0 | 4 |
| Cholera Infantum..... | 73 | 6 | 0 | 16 | 95 |
| Cerebro Spinal Meningitis | 1 | 6 | 4 | 4 | 15 |
| Diarrhœa..... | 6 | 0 | 1 | 1 | 8 |
| Dysentery..... | 19 | 3 | 0 | 3 | 25 |
| Diphtheria..... | 3 | 5 | 3 | 3 | 14 |
| Erysipelas..... | 1 | 0 | 0 | 3 | 4 |
| Intermittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Measles..... | 1 | 0 | 2 | 0 | 3 |
| Purpura..... | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever..... | 1 | 4 | 2 | 2 | 9 |
| Pyæmia..... | 0 | 0 | 2 | 2 | 4 |
| Remittent Fever..... | 3 | 0 | 0 | 1 | 4 |
| Rheumatism..... | 2 | 1 | 1 | 2 | 6 |
| Scarlet Fever..... | 0 | 2 | 0 | 1 | 3 |
| Small Pox..... | 1 | 0 | 0 | 0 | 1 |
| Syphilis (Congenital)..... | 0 | 0 | 0 | 1 | 1 |
| Syphilis..... | 0 | 1 | 0 | 0 | 1 |
| Septicæmia..... | 2 | 1 | 2 | 2 | 7 |
| Tonsilitis..... | 0 | 0 | 1 | 0 | 1 |
| Typhoid Fever..... | 31 | 19 | 8 | 4 | 62 |
| Whooping Cough..... | 0 | 0 | 1 | 4 | 5 |
| Total..... | 151 | 56 | 35 | 51 | 293 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|-----------------------------|--------------|-------------|-------------|--------------|-----|
| Typhoid Pneumonia..... | 0 | 3 | 0 | 3 | 6 |
| Tubercular Laryngitis..... | 0 | 1 | 0 | 0 | 1 |
| Cancer..... | 7 | 8 | 9 | 4 | 28 |
| Consumption..... | 56 | 35 | 39 | 37 | 167 |
| Meningitis..... | 29 | 13 | 11 | 11 | 64 |
| Marasmus..... | 32 | 12 | 12 | 10 | 66 |
| Tubercular Meningitis..... | 4 | 0 | 0 | 0 | 4 |
| Bright's Disease..... | 5 | 8 | 10 | 6 | 29 |
| Bronchitis..... | 7 | 4 | 14 | 2 | 27 |
| Heart Disease..... | 28 | 24 | 40 | 25 | 117 |
| Pneumonia..... | 14 | 41 | 53 | 26 | 134 |
| Accidents..... | 3 | 4 | 4 | 3 | 14 |
| Accidents on Railroads..... | 4 | 6 | 8 | 2 | 20 |
| Disease of the Brain..... | 27 | 20 | 34 | 25 | 106 |
| Disease of the Bowels..... | 21 | 15 | 18 | 14 | 68 |
| Dropsy..... | 9 | 5 | 2 | 1 | 17 |
| Peritonitis..... | 6 | 3 | 6 | 4 | 19 |
| Old Age..... | 13 | 22 | 18 | 14 | 67 |
| General Debility..... | 9 | 0 | 0 | 5 | 14 |
| Congestion of Lungs..... | 4 | 2 | 3 | 3 | 12 |
| Paralysis..... | 14 | 12 | 14 | 13 | 53 |
| Malarial Fever..... | 4 | 0 | 1 | 1 | 6 |
| Gun Shot Wound..... | 1 | 2 | 3 | 2 | 8 |
| Difficult Labor..... | 2 | 0 | 0 | 0 | 2 |
| Burned..... | 1 | 0 | 0 | 0 | 1 |
| Convulsions..... | 8 | 11 | 19 | 11 | 49 |
| Inanition..... | 31 | 15 | 15 | 9 | 70 |
| Hepatitis..... | 2 | 0 | 0 | 3 | 5 |
| Tetanus..... | 4 | 0 | 0 | 0 | 4 |
| Tabes Mesentricca..... | 2 | 0 | 0 | 0 | 2 |
| Premature Births..... | 8 | 7 | 0 | 2 | 17 |
| Dentition..... | 1 | 0 | 0 | 0 | 1 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|--------------------------------|--------------|-------------|-------------|--------------|------|
| Kicked by a Horse..... | 0 | 1 | 0 | 0 | 1 |
| La Grippe..... | 0 | 12 | 20 | 0 | 32 |
| Bronchial Catarrh..... | 0 | 3 | 0 | 0 | 3 |
| Catarrh of Lungs..... | 0 | 1 | 0 | 0 | 1 |
| Killed by a Street Car..... | 0 | 1 | 0 | 0 | 1 |
| Drowned..... | 0 | 2 | 3 | 2 | 7 |
| Suicide..... | 0 | 1 | 1 | 0 | 2 |
| Scrofula..... | 0 | 1 | 1 | 0 | 2 |
| Found Dead Near Stanton | 0 | 1 | 0 | 0 | 1 |
| Pleurisy..... | 0 | 0 | 1 | 0 | 1 |
| Paresis..... | 0 | 0 | 1 | 0 | 1 |
| Inflamation of Lungs | 0 | 0 | 2 | 0 | 2 |
| Ovarian Tumor..... | 0 | 0 | 1 | 0 | 1 |
| Entero Colitis | 0 | 0 | 0 | 1 | 1 |
| Child Birth..... | 0 | 0 | 0 | 1 | 1 |
| Appendicitis..... | 0 | 0 | 0 | 1 | 1 |
| Asphixia..... | 0 | 0 | 0 | 1 | 1 |
| Murdered..... | 0 | 0 | 0 | 1 | 1 |
| Congestion of Brains | 0 | 0 | 0 | 1 | 1 |
| All other diseases..... | 54 | 30 | 39 | 22 | 145 |
| Total..... | 561 | 382 | 438 | 319 | 1700 |
| Still Born..... | 23 | 10 | 20 | 9 | 62 |
| Brought Here for Intern't | 34 | 20 | 28 | 23 | 105 |
| DECEDENTS. | | | | | |
| White..... | | | | | 1354 |
| Negro..... | | | | | 346 |
| Total..... | | | | | 1700 |
| Males | | | | | 823 |
| Females..... | | | | | 877 |
| Total..... | | | | | 1700 |
| Born in the United States..... | | | | | 1507 |
| Foreign Born..... | | | | | 193 |
| Total..... | | | | | 1700 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|------|
| Under 1 year..... | 423 |
| From 1 to 5 years..... | 191 |
| From 5 to 10 years..... | 50 |
| From 10 to 20 years..... | 86 |
| From 20 to 30 years..... | 152 |
| From 30 to 40 years..... | 118 |
| From 40 to 50 years..... | 107 |
| From 50 to 60 years..... | 134 |
| From 60 to 70 years..... | 148 |
| From 70 to 80 years..... | 174 |
| From 80 to 90 years..... | 74 |
| From 90 to 100 years | 14 |
| Not Stated..... | 29 |
| <hr/> | |
| Total..... | 1700 |

BIRTHS.

| | |
|--------------|------|
| White..... | 1814 |
| Negro..... | 163 |
| <hr/> | |
| Total..... | 1977 |
| Males..... | 1051 |
| Females..... | 926 |
| <hr/> | |
| Total..... | 1977 |

MARRIAGES.

| | |
|------------|-----|
| White..... | 503 |
| Negro..... | 81 |
| <hr/> | |
| Total..... | 584 |

Annual death rate in the 1000 inhabitants, 17.49.
 Percentage of deaths from zymotic diseases, 17. Population of New Castle county, 97,182.

In the third quarter there were 14 premature births not included in the table of deaths.

E. B. FRAZER, Secretary.

*Total Deaths in New Castle County for the Year
Ending June 30, 1894.*

| | | | |
|-------------------------|------|----------------|-----|
| First Quarter..... | 561 | Zymotics | 151 |
| Second Quarter..... | 382 | Zymotics | 56 |
| Third Quarter..... | 438 | Zymotics | 35 |
| Fourth Quarter..... | 319 | Zymotics | 51 |
| <hr/> | | <hr/> | |
| Total..... | 1700 | Total..... | 293 |
| Zymotic diseases..... | 293 | | |
| <hr/> | | | |
| All other diseases..... | 1407 | | |

DECEDENTS.

| | |
|--------------------------------|------|
| White..... | 1354 |
| Negro | 346 |
| <hr/> | |
| Total..... | 1700 |
| Males | 823 |
| Females..... | 877 |
| <hr/> | |
| Total..... | 1700 |
| Born in the United States..... | 1507 |
| Foreign Born..... | 193 |
| <hr/> | |
| Total..... | 1700 |

Population of New Castle county, 97,182; death rate in the 1000 inhabitants is 17.

*Births in New Castle County for the Year Ending
June 30, 1894.*

BIRTHS.

| | |
|--------------|------|
| White..... | 1814 |
| Negro..... | 163 |
| Total..... | 1977 |
| Males..... | 1051 |
| Females..... | 926 |
| Total..... | 1977 |

MARRIAGES.

| | |
|--------------------------------------|------|
| White..... | 503 |
| Negro..... | 81 |
| Total..... | 584 |
| Total births..... | 1977 |
| Total Deaths..... | 1700 |
| The births exceed the deaths by..... | 277 |

E. B. FRAZER, Secretary.

KENT COUNTY.

FIRST QUARTER, ENDING SEPTEMBER 30, 1893.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 0 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 2 |
| Cholera Infantum..... | 5 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa..... | 0 |
| Dysentery..... | 0 |
| Diphtheria..... | 0 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura..... | 0 |
| Puerperal Fever..... | 1 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 2 |
| Whooping Cough..... | 0 |
| Zymotics..... | 10 |

| | |
|---------------------------------|----|
| Cancer..... | 0 |
| Consumption..... | 9 |
| Marasmus..... | 2 |
| Bright's Disease..... | 1 |
| Bronchitis..... | 0 |
| Heart Disease..... | 5 |
| Pneumonia..... | 1 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 3 |
| Disease of the Bowels..... | 1 |
| General Debility..... | 2 |
| Typhoid Malaria Fever..... | 1 |
| Paresis..... | 1 |
| Dropsy..... | 1 |
| Gastric Fever..... | 1 |
| All other diseases..... | 4 |
| Unknown..... | 4 |
| <hr/> | |
| Total..... | 46 |
| Still Born..... | 0 |
| Brought Here for Interment..... | 0 |

DECEDENTS.

| | |
|--------------|----|
| White..... | 33 |
| Negro..... | 13 |
| <hr/> | |
| Total..... | 46 |
| Males..... | 19 |
| Females..... | 27 |
| <hr/> | |
| Total..... | 46 |

| | |
|--------------------------------|----|
| Born in the United States..... | 45 |
| Foreign Born..... | 1 |
| <hr/> | |
| Total..... | 46 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|----|
| Under 1 year..... | 11 |
| From 1 to 5 years..... | 4 |
| From 5 to 10 years..... | 0 |
| From 10 to 20 years..... | 2 |
| From 20 to 30 years..... | 5 |
| From 30 to 40 years..... | 5 |
| From 40 to 50 years..... | 3 |
| From 50 to 60 years..... | 4 |
| From 60 to 70 years..... | 7 |
| From 70 to 80 years..... | 3 |
| From 80 to 90 years..... | 1 |
| From 90 to 100 years..... | 0 |
| Not Stated..... | 1 |
| <hr/> | |
| Total..... | 46 |

BIRTHS.

| | |
|--------------|---|
| White..... | 7 |
| Negro..... | 0 |
| <hr/> | |
| Total..... | 7 |
| | |
| Males..... | 3 |
| Females..... | 4 |
| <hr/> | |
| Total..... | 7 |

MARRIAGES.

| | |
|------------|-------|
| White..... | 23 |
| Negro..... | 10 |
| | <hr/> |
| Total..... | 33 |

E. B. FRAZER, Secretary.

KENT COUNTY.

SECOND QUARTER, ENDING DECEMBER 31, 1893.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 1 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 7 |
| Cerebro Spinal Meningitis..... | 1 |
| Diarrhœa..... | 1 |
| Dysentery..... | 3 |
| Diphtheria..... | 2 |
| Erysipelas..... | 1 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 1 |
| Remittent Fever..... | 1 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 8 |
| Whooping Cough..... | 0 |
| Zymotics..... | 26 |

| | |
|-----------------------------|----|
| Cancer..... | 5 |
| Consumption..... | 28 |
| Marasmus..... | 3 |
| La Grippe..... | 2 |
| Congestion of Lungs | 1 |
| Bright's Disease..... | 0 |
| Bronchitis..... | 0 |
| Heart Disease..... | 9 |
| Pneumonia | 10 |
| Accidents..... | 3 |
| Accidents on Railroads..... | 3 |
| Disease of the Brain..... | 14 |
| Disease of the Bowels..... | 6 |
| Old Age..... | 5 |
| Dropsy..... | 1 |
| Tetanus | 1 |
| Suicide, Drowning..... | 1 |
| Paresis..... | 6 |
| General Debility..... | 6 |
| Convulsions..... | 1 |
| Malarial Fever..... | 3 |
| All other diseases..... | 23 |
| Unknown..... | 5 |

| | |
|---------------------------------|-----|
| Total..... | 162 |
| Still Born..... | 1 |
| Brought Here for Interment..... | 0 |

DECEDENTS.

| | |
|-------------|-----|
| White..... | 117 |
| Negro | 45 |
| Total..... | 162 |

| | |
|--------------------------------|-----|
| Males | 84 |
| Females..... | 78 |
| <hr/> | |
| Total..... | 162 |
| Born in the United States..... | 161 |
| Foreign Born..... | 1 |
| <hr/> | |
| Total..... | 162 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|-----|
| Under 1 year..... | 22 |
| From 1 to 5 years..... | 16 |
| From 5 to 10 years..... | 4 |
| From 10 to 20 years..... | 14 |
| From 20 to 30 years..... | 22 |
| From 30 to 40 years..... | 5 |
| From 40 to 50 years..... | 11 |
| From 50 to 60 years..... | 23 |
| From 60 to 70 years..... | 18 |
| From 70 to 80 years..... | 15 |
| From 80 to 90 years..... | 7 |
| From 90 to 100 years | 0 |
| Not Stated... .. | 5 |
| <hr/> | |
| Total..... | 162 |

BIRTHS.

| | |
|------------|----|
| White..... | 12 |
| Negro..... | 6 |
| <hr/> | |
| Total..... | 18 |

| | |
|--------------|-------|
| Males..... | 8 |
| Females..... | 10 |
| | <hr/> |
| Total..... | 18 |

MARRIAGES.

| | |
|------------|-------|
| White..... | 36 |
| Negro..... | 14 |
| | <hr/> |
| Total..... | 50 |

E. B. FRAZER, Secretary.

KENT COUNTY.

THIRD QUARTER, ENDING MARCH 31, 1894.

Marriages, Births and Deaths.

| | |
|--------------------------------|---|
| Alcoholism..... | 0 |
| Croup..... | 0 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 1 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa..... | 0 |
| Dysentery..... | 0 |
| Diphtheria..... | 2 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 0 |
| Whooping Cough..... | 1 |
| <hr/> | |
| Zymotics..... | 4 |

| | |
|-----------------------------|----|
| Cancer..... | 1 |
| Consumption..... | 17 |
| Marasmus..... | 0 |
| Bright's Disease..... | 2 |
| Bronchitis..... | 3 |
| Heart Disease..... | 8 |
| Pneumonia..... | 21 |
| Accidents..... | 1 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 2 |
| Disease of the Bowels..... | 1 |
| Old Age..... | 7 |
| General Debility..... | 6 |
| Malarial Fever..... | 0 |
| Peritonitis..... | 1 |
| La Grippe..... | 2 |
| Congestion of Lungs..... | 1 |
| Paralysis..... | 3 |
| Convulsions..... | 1 |
| Tetanus..... | 0 |
| Dropsy..... | 1 |
| All other diseases..... | 9 |
| Unknown..... | 7 |

| | |
|---------------------------------|----|
| Total..... | 98 |
| Still Born..... | 4 |
| Brought Here for Interment..... | 1 |

DECEDENTS.

| | |
|------------|----|
| White..... | 73 |
| Negro..... | 25 |

| | |
|------------|----|
| Total..... | 98 |
|------------|----|

| | |
|--------------------------------|-------|
| Males | 46 |
| Females..... | 52 |
| | <hr/> |
| Total..... | 98 |
| Born in the United States..... | 96 |
| Foreign Born..... | 2 |
| | <hr/> |
| Total..... | 98 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|-------|
| Under 1 year..... | 12 |
| From 1 to 5 years..... | 3 |
| From 5 to 10 years..... | 0 |
| From 10 to 20 years..... | 5 |
| From 20 to 30 years..... | 10 |
| From 30 to 40 years..... | 7 |
| From 40 to 50 years..... | 7 |
| From 50 to 60 years..... | 8 |
| From 60 to 70 years..... | 16 |
| From 70 to 80 years..... | 17 |
| From 80 to 90 years..... | 10 |
| From 90 to 100 years | 1 |
| Not Stated..... | 2 |
| | <hr/> |
| Total..... | 98 |

BIRTHS.

| | |
|------------|-------|
| White..... | 32 |
| Negro..... | 2 |
| | <hr/> |
| Total..... | 34 |

| | |
|--------------|-------|
| Males..... | 20 |
| Females..... | 14 |
| | <hr/> |
| Total..... | 34 |

MARRIAGES.

| | |
|------------|-------|
| White..... | 38 |
| Negro..... | 9 |
| | <hr/> |
| Total..... | 47 |

E. B. FRAZER, Secretary.

KENT COUNTY.

FOURTH QUARTER, ENDING JUNE 30, 1894.

Marriages, Births and Deaths.

| | |
|--------------------------------|---|
| Alcoholism..... | 0 |
| Croup..... | 0 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 4 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa..... | 1 |
| Dysentery..... | 0 |
| Diphtheria..... | 0 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 1 |
| Whooping Cough..... | 0 |
| <hr/> | |
| Zymotics..... | 5 |

| | |
|---------------------------------|----|
| Cancer..... | 0 |
| Consumption..... | 3 |
| Marasmus..... | 0 |
| Bright's Disease..... | 0 |
| Bronchitis..... | 0 |
| Heart Disease..... | 3 |
| Pneumonia..... | 2 |
| Accident, Burned..... | 1 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 2 |
| Disease of the Bowels..... | 0 |
| Dropsy..... | 1 |
| Confinement..... | 1 |
| Catarrh..... | 1 |
| Drowned..... | 1 |
| General Debility..... | 1 |
| Paralysis..... | 5 |
| Tumor in Neck..... | 1 |
| Surgical Operation..... | 1 |
| Old Age..... | 1 |
| Malarial Fever..... | 1 |
| Unknown..... | 13 |
| <hr/> | |
| Total..... | 44 |
| Still Born..... | 0 |
| Brought Here for Interment..... | 0 |

DECEDENTS.

| | |
|------------|----|
| White..... | 32 |
| Negro..... | 12 |
| <hr/> | |
| Total..... | 44 |

| | |
|--------------------------------|-------|
| Males | 16 |
| Females..... | 28 |
| | <hr/> |
| Total..... | 44 |
| Born in the United States..... | 44 |
| Foreign Born..... | 0 |
| | <hr/> |
| Total..... | 44 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|-------|
| Under 1 year | 9 |
| From 1 to 5 years..... | 5 |
| From 5 to 10 years..... | 0 |
| From 10 to 20 years..... | 5 |
| From 20 to 30 years..... | 4 |
| From 30 to 40 years..... | 3 |
| From 40 to 50 years..... | 0 |
| From 50 to 60 years..... | 2 |
| From 60 to 70 years..... | 4 |
| From 70 to 80 years..... | 10 |
| From 80 to 90 years..... | 1 |
| From 90 to 100 years | 1 |
| Not Stated..... | 0 |
| | <hr/> |
| Total..... | 44 |

BIRTHS.

| | |
|------------|-------|
| White..... | 55 |
| Negro..... | 1 |
| | <hr/> |
| Total..... | 56 |

| | |
|--------------|-------|
| Males..... | 31 |
| Females..... | 25 |
| | <hr/> |
| Total..... | 56 |

MARRIAGES.

| | |
|-------------|-------|
| White..... | 18 |
| Negro | 5 |
| | <hr/> |
| Total..... | 23 |

E. B. FRAZER, Secretary.

RECAPITULATION

*Of Marriages, Births and Deaths in Kent County for
the Year Ending June 30, 1894.*

| | 1st | 2d | 3d | 4th | |
|----------------------------|-------|-------|-------|-------|-----|
| | Quar. | Quar. | Quar. | Quar. | T'l |
| Alcoholism..... | 0 | 0 | 0 | 0 | 0 |
| Croup..... | 0 | 1 | 0 | 0 | 1 |
| Carbuncle..... | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus..... | 2 | 0 | 0 | 0 | 2 |
| Cholera Infantum..... | 5 | 7 | 1 | 4 | 17 |
| Cerebro Spinal Meningitis | 0 | 1 | 0 | 0 | 1 |
| Diarrhoea..... | 0 | 1 | 0 | 1 | 2 |
| Dysentery..... | 0 | 3 | 0 | 0 | 3 |
| Diphtheria..... | 0 | 2 | 2 | 0 | 4 |
| Erysipelas..... | 0 | 1 | 0 | 0 | 1 |
| Intermittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Measles..... | 0 | 0 | 0 | 0 | 0 |
| Purpura..... | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever..... | 1 | 0 | 0 | 0 | 1 |
| Pyæmia..... | 0 | 1 | 0 | 0 | 1 |
| Remittent Fever..... | 0 | 1 | 0 | 0 | 1 |
| Rheumatism..... | 0 | 0 | 0 | 0 | 0 |
| Scarlet Fever..... | 0 | 0 | 0 | 0 | 0 |
| Small Pox..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital)..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis..... | 0 | 0 | 0 | 0 | 0 |
| Septicæmia..... | 0 | 0 | 0 | 0 | 0 |
| Tonsilitis..... | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever..... | 2 | 8 | 0 | 1 | 11 |
| Whooping Cough..... | 0 | 0 | 1 | 0 | 1 |
| Zymotics..... | 10 | 26 | 4 | 6 | 46 |

| | 1st | 2d | 3d | 4th | |
|-----------------------------|-------|-------|-------|-------|-----|
| | Quar. | Quar. | Quar. | Quar. | T'l |
| Typhoid Malarial Fever.... | 1 | 0 | 0 | 0 | 1 |
| Cancer..... | 0 | 5 | 1 | 0 | 6 |
| Consumption..... | 9 | 28 | 17 | 3 | 57 |
| Marasmus..... | 2 | 3 | 0 | 0 | 5 |
| La Grippe..... | 0 | 2 | 2 | 0 | 4 |
| Congestion of Lungs..... | 0 | 1 | 1 | 0 | 2 |
| Bright's Disease..... | 1 | 0 | 2 | 0 | 3 |
| Bronchitis..... | 0 | 0 | 3 | 0 | 3 |
| Heart Disease..... | 5 | 9 | 8 | 3 | 25 |
| Pneumonia..... | 1 | 10 | 21 | 2 | 34 |
| Accidents, Burned..... | 0 | 3 | 1 | 1 | 5 |
| Accidents on Railroads..... | 0 | 3 | 0 | 0 | 3 |
| Disease of the Brain..... | 3 | 14 | 2 | 2 | 21 |
| Disease of the Bowels..... | 1 | 6 | 1 | 0 | 8 |
| General Debility..... | 2 | 6 | 6 | 1 | 15 |
| Paralysis..... | 1 | 6 | 3 | 5 | 15 |
| Dropsy..... | 1 | 1 | 1 | 1 | 4 |
| Gastric Fever..... | 1 | 0 | 0 | 0 | 1 |
| Peritonitis..... | 0 | 0 | 1 | 0 | 1 |
| Unknown..... | 4 | 0 | 0 | 0 | 4 |
| Confinement..... | 0 | 0 | 0 | 1 | 1 |
| Old Age..... | 0 | 5 | 7 | 1 | 13 |
| Tetanus..... | 0 | 1 | 0 | 0 | 1 |
| Suicide, Drowning..... | 0 | 1 | 0 | 0 | 1 |
| Convulsions..... | 0 | 1 | 1 | 0 | 2 |
| Malarial Fever..... | 0 | 3 | 0 | 1 | 4 |
| Catarrh..... | 0 | 0 | 0 | 1 | 1 |
| Drowned..... | 0 | 0 | 0 | 1 | 1 |
| Tumor in Neck..... | 0 | 0 | 0 | 1 | 1 |
| Surgical Operation..... | 0 | 0 | 0 | 1 | 1 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|---------------------------------|--------------|-------------|-------------|--------------|-------|
| Diseases Not Stated..... | 0 | 5 | 9 | 13 | 27 |
| All other diseases..... | 4 | 23 | 7 | 0 | 34 |
| | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
| Total..... | 46 | 162 | 98 | 44 | 350 |
| Still Born..... | | | | | 4 |
| Brought Here for Interment..... | | | | | 1 |

DECEDENTS.

| | |
|--------------------------------|-------|
| White..... | 255 |
| Negro..... | 95 |
| | <hr/> |
| Total..... | 350 |
| Males..... | 165 |
| Females..... | 185 |
| | <hr/> |
| Total..... | 350 |
| Born in the United States..... | 346 |
| Foreign Born..... | 4 |
| | <hr/> |
| Total..... | 350 |

AGES OF THE DECEDENTS.

| | |
|--------------------------|----|
| Under 1 year..... | 54 |
| From 1 to 5 years..... | 28 |
| From 5 to 10 years..... | 4 |
| From 10 to 20 years..... | 26 |
| From 20 to 30 years..... | 41 |
| From 30 to 40 years..... | 20 |
| From 40 to 50 years..... | 21 |
| From 50 to 60 years..... | 37 |
| From 60 to 70 years..... | 45 |

| | |
|----------------------------|-----|
| From 70 to 80 years..... | 45 |
| From 80 to 90 years..... | 19 |
| From 90 to 100 years | 2 |
| Not Stated... .. | 8 |
| <hr/> | |
| Total..... | 350 |

BIRTHS.

| | |
|--------------|-----|
| White..... | 106 |
| Negro | 9 |
| <hr/> | |
| Total..... | 115 |
| Males..... | 62 |
| Females..... | 53 |
| <hr/> | |
| Total..... | 115 |

MARRIAGES.

| | |
|-------------|-----|
| White..... | 115 |
| Negro | 38 |
| <hr/> | |
| Total..... | 153 |

E. B. FRAZER, Secretary.

SUSSEX COUNTY.

FIRST QUARTER, ENDING SEPTEMBER 30, 1893.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 2 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 5 |
| Cerebro Spinal Meningitis..... | 1 |
| Diarrhœa..... | 1 |
| Dysentery..... | 1 |
| Diphtheria..... | 0 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 1 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 5 |
| Whooping Cough..... | 1 |
| Zymotics..... | 17 |

| | |
|-----------------------------|----|
| Cancer..... | 1 |
| Consumption..... | 11 |
| Bright's Disease..... | 0 |
| Bronchitis..... | 0 |
| Heart Disease..... | 3 |
| Pneumonia..... | 1 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 1 |
| Disease of the Brain..... | 1 |
| Disease of the Bowels..... | 3 |
| Peritonitis..... | 0 |
| Dropsy..... | 4 |
| Paralysis..... | 1 |
| Malarial Fever..... | 0 |
| Old Age..... | 3 |
| Convulsions..... | 1 |
| General Debility..... | 0 |
| Suffocation..... | 1 |
| Marasmus..... | 1 |
| Spotted Fever..... | 1 |
| Congestion of Lungs..... | 0 |
| All other diseases..... | 3 |
| Unknown..... | 2 |

| | |
|------------|----|
| Total..... | 55 |
|------------|----|

| | |
|-----------------|---|
| Still Born..... | 0 |
|-----------------|---|

| | |
|---------------------------------|---|
| Brought Here for Interment..... | 0 |
|---------------------------------|---|

DECEDENTS.

| | |
|------------|----|
| White..... | 50 |
|------------|----|

| | |
|------------|---|
| Negro..... | 5 |
|------------|---|

| | |
|------------|----|
| Total..... | 55 |
|------------|----|

| | |
|--------------------------------|----|
| Males | 27 |
| Females..... | 28 |
| <hr/> | |
| Total..... | 55 |
| Born in the United States..... | 55 |
| Foreign Born..... | 0 |
| <hr/> | |
| Total..... | 55 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|----|
| Under 1 year..... | 11 |
| From 1 to 5 years..... | 9 |
| From 5 to 10 years..... | 3 |
| From 10 to 20 years..... | 1 |
| From 20 to 30 years..... | 3 |
| From 30 to 40 years..... | 5 |
| From 40 to 50 years..... | 7 |
| From 50 to 60 years..... | 2 |
| From 60 to 70 years..... | 5 |
| From 70 to 80 years..... | 7 |
| From 80 to 90 years..... | 2 |
| From 90 to 100 years | 0 |
| Not Stated... .. | 0 |
| <hr/> | |
| Total..... | 55 |

BIRTHS.

| | |
|------------|-----|
| White..... | 101 |
| Negro..... | 5 |
| <hr/> | |
| Total..... | 106 |
| Males..... | 59 |

| | |
|--------------|-----|
| Females..... | 47 |
| Total..... | 106 |

MARRIAGES.

| | |
|------------|----|
| White..... | 28 |
| Negro..... | 3 |
| Total..... | 31 |

E. B. FRAZER, Secretary.

SUSSEX COUNTY.

SECOND QUARTER, ENDING DECEMBER 31, 1893.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 3 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 1 |
| Cholera Infantum..... | 7 |
| Cerebro Spinal Meningitis..... | 1 |
| Diarrhoea..... | 0 |
| Dysentery..... | 1 |
| Diphtheria..... | 1 |
| Erysipelas..... | 2 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 1 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 1 |
| Scarlet Fever..... | 5 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 1 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 7 |
| Whooping Cough..... | 0 |
| Zymotics..... | 31 |

| | |
|-----------------------------|----|
| Cancer..... | 1 |
| Consumption..... | 15 |
| Marasmus..... | 1 |
| Meningitis..... | 1 |
| Bright's Disease..... | 3 |
| Bronchitis..... | 1 |
| Heart Disease..... | 6 |
| Pneumonia..... | 10 |
| Accidents..... | 1 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 3 |
| Disease of the Bowels..... | 1 |
| Old Age..... | 2 |
| Child Bed Fever..... | 1 |
| Paralysis..... | 1 |
| Dropsy..... | 2 |
| Convulsions..... | 3 |
| Burned..... | 2 |
| Peritonitis..... | 1 |
| Suicide..... | 1 |
| La Grippe..... | 2 |
| All other diseases..... | 5 |
| Unknown..... | 1 |

| | |
|------------|----|
| Total..... | 95 |
|------------|----|

| | |
|---------------------------------|---|
| Still Born..... | 2 |
| Brought Here for Interment..... | 0 |

DECEDENTS.

| | |
|------------|----|
| White..... | 80 |
| Negro..... | 15 |
| Total..... | 95 |

| | |
|--------------------------------|----|
| Males | 42 |
| Females..... | 53 |
| Total..... | 95 |
| Born in the United States..... | 95 |
| Foreign Born..... | 0 |
| Total..... | 95 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|----|
| Under 1 year..... | 9 |
| From 1 to 5 years..... | 11 |
| From 5 to 10 years..... | 7 |
| From 10 to 20 years..... | 10 |
| From 20 to 30 years..... | 8 |
| From 30 to 40 years..... | 8 |
| From 40 to 50 years..... | 10 |
| From 50 to 60 years..... | 6 |
| From 60 to 70 years..... | 11 |
| From 70 to 80 years..... | 8 |
| From 80 to 90 years..... | 6 |
| From 90 to 100 years | 0 |
| Not Stated... .. | 1 |
| Total..... | 95 |

BIRTHS.

| | |
|-------------|----|
| White..... | 59 |
| Negro | 0 |
| Total..... | 59 |
| Males..... | 32 |

| | |
|--------------|----|
| Females..... | 27 |
|--------------|----|

| | |
|------------|----|
| Total..... | 59 |
|------------|----|

MARRIAGES.

| | |
|------------|----|
| White..... | 82 |
|------------|----|

| | |
|------------|---|
| Negro..... | 1 |
|------------|---|

| | |
|------------|----|
| Total..... | 83 |
|------------|----|

E. B. FRAZER, Secretary.

SUSSEX COUNTY.

THIRD QUARTER, ENDING MARCH 31, 1894.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 4 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 3 |
| Cerebro Spinal Meningitis..... | 1 |
| Diarrhœa..... | 0 |
| Dysentery..... | 0 |
| Diphtheria..... | 0 |
| Erysipelas..... | 1 |
| Intermittent Fever..... | 0 |
| Measles..... | 2 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 2 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 3 |
| Whooping Cough..... | 0 |
| Zymotics..... | 16 |

| | |
|-----------------------------------|----|
| Cancer..... | 3 |
| Consumption..... | 20 |
| Marasmus..... | 1 |
| Auqina Pectoris..... | 1 |
| Peritonitis..... | 0 |
| Convulsions..... | 0 |
| Meningitis..... | 0 |
| Dropsy..... | 4 |
| Bright's Disease..... | 1 |
| Bronchitis..... | 0 |
| Heart Disease..... | 11 |
| Pneumonia..... | 6 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 3 |
| Disease of the Bowels..... | 0 |
| Paralysis..... | 4 |
| Influenza..... | 11 |
| Old Age and General Debility..... | 3 |
| Drowned..... | 3 |
| All other diseases..... | 11 |
| Unknown..... | 9 |

| | |
|------------|-----|
| Total..... | 107 |
|------------|-----|

| | |
|---------------------------------|---|
| Still Born..... | 1 |
| Brought Here for Interment..... | 0 |

DECEDENTS.

| | |
|------------|----|
| White..... | 76 |
| Negro..... | 32 |

| | |
|------------|-----|
| Total..... | 108 |
|------------|-----|

| | |
|--------------------------------|-----|
| Males..... | 51 |
| Females..... | 57 |
| <hr/> | |
| Total..... | 108 |
| Born in the United States..... | 106 |
| Foreign Born..... | 2 |
| <hr/> | |
| Total..... | 108 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year..... | 7 |
| From 1 to 5 years..... | 12 |
| From 5 to 10 years..... | 3 |
| From 10 to 20 years..... | 7 |
| From 20 to 30 years..... | 10 |
| From 30 to 40 years..... | 7 |
| From 40 to 50 years..... | 5 |
| From 50 to 60 years..... | 11 |
| From 60 to 70 years..... | 18 |
| From 70 to 80 years..... | 18 |
| From 80 to 90 years..... | 3 |
| From 90 to 100 years..... | 0 |
| Not Stated..... | 7 |
| <hr/> | |
| Total..... | 108 |

BIRTHS.

| | |
|------------|----|
| White..... | 14 |
| Negro..... | 3 |
| <hr/> | |
| Total..... | 17 |
| Males..... | 9 |

| | |
|--------------|----|
| Females..... | 8 |
| Total..... | 17 |

MARRIAGES.

| | |
|-------------|----|
| White..... | 52 |
| Negro | 6 |
| Total..... | 58 |

E. B. FRAZER, Secretary.

SUSSEX COUNTY.

FOURTH QUARTER, ENDING JUNE 30, 1894.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism..... | 0 |
| Croup..... | 3 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 9 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa..... | 1 |
| Dysentery..... | 1 |
| Diphtheria..... | 1 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 2 |
| Purpura..... | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 1 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 0 |
| Whooping Cough..... | 5 |
| Zymotics..... | 23 |

| | |
|---------------------------------|-----|
| Cancer..... | 1 |
| Consumption..... | 15 |
| Marasmus..... | 1 |
| Bright's Disease..... | 2 |
| Bronchitis..... | 1 |
| Heart Disease..... | 8 |
| Pneumonia..... | 10 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 9 |
| Disease of the Bowels..... | 0 |
| Burned..... | 1 |
| Dropsy..... | 8 |
| General Debility..... | 5 |
| Paralysis..... | 3 |
| Drowned..... | 1 |
| Old Age..... | 2 |
| Child Birth..... | 1 |
| Convulsions..... | 1 |
| Peritonitis..... | 1 |
| Entero Colitis..... | 1 |
| Premature Birth..... | 1 |
| All other diseases..... | 10 |
| Unknown..... | 4 |
| Total..... | 109 |
| Still Born..... | 2 |
| Brought Here for Interment..... | 0 |
| DECEDENTS. | |
| White..... | 92 |
| Negro..... | 17 |
| Total..... | 109 |

| | |
|--------------------------------|-------|
| Males | 61 |
| Females..... | 48 |
| | <hr/> |
| Total..... | 109 |
| Born in the United States..... | 109 |
| Foreign Born..... | 0 |
| | <hr/> |
| Total..... | 109 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|-------|
| Under 1 year..... | 23 |
| From 1 to 5 years..... | 16 |
| From 5 to 10 years..... | 2 |
| From 10 to 20 years..... | 4 |
| From 20 to 30 years..... | 4 |
| From 30 to 40 years..... | 12 |
| From 40 to 50 years..... | 5 |
| From 50 to 60 years..... | 10 |
| From 60 to 70 years..... | 6 |
| From 70 to 80 years..... | 21 |
| From 80 to 90 years..... | 4 |
| From 90 to 100 years | 1 |
| Not Stated... .. | 1 |
| | <hr/> |
| Total..... | 109 |

BIRTHS.

| | |
|-------------|-------|
| White..... | 48 |
| Negro | 0 |
| | <hr/> |
| Total..... | 48 |
| Males..... | 25 |

| | |
|--------------|----|
| Females..... | 23 |
| Total..... | 48 |

MARRIAGES.

| | |
|------------|----|
| White..... | 41 |
| Negro..... | 3 |
| Total..... | 44 |

E. B. FRAZER, Secretary.

RECAPITULATION

*Of Marriages, Births and Deaths in Sussex County for
the Year Ending June 30, 1894.*

| | 1st | 2d | 3d | 4th | T'l |
|----------------------------|-------|-------|-------|-------|-----|
| | Quar. | Quar. | Quar. | Quar. | |
| Alcoholism..... | 0 | 0 | 0 | 0 | 0 |
| Croup..... | 2 | 3 | 4 | 3 | 12 |
| Carbuncle..... | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus..... | 0 | 1 | 0 | 0 | 1 |
| Cholera Infantum..... | 5 | 7 | 3 | 9 | 24 |
| Cerebro Spinal Meningitis | 1 | 1 | 1 | 0 | 3 |
| Diarrhœa..... | 1 | 0 | 0 | 1 | 2 |
| Dysentery..... | 1 | 1 | 0 | 1 | 3 |
| Diphtheria..... | 0 | 1 | 0 | 1 | 2 |
| Erysipelas..... | 0 | 2 | 1 | 0 | 3 |
| Intermittent Fever..... | 1 | 0 | 0 | 0 | 1 |
| Measles..... | 0 | 0 | 2 | 2 | 4 |
| Purpura..... | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever..... | 0 | 0 | 0 | 0 | 0 |
| Pyæmia..... | 0 | 1 | 0 | 0 | 1 |
| Remittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Rheumatism..... | 0 | 1 | 0 | 1 | 2 |
| Scarlet Fever..... | 0 | 5 | 2 | 0 | 7 |
| Small Pox..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital)..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis..... | 0 | 0 | 0 | 0 | 0 |
| Septicæmia..... | 0 | 1 | 0 | 0 | 1 |
| Tonsilitis..... | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever..... | 5 | 7 | 3 | 0 | 15 |
| Whooping Cough..... | 1 | 0 | 0 | 5 | 6 |
| Zymotics..... | 17 | 31 | 16 | 23 | 87 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|-----------------------------|--------------|-------------|-------------|--------------|-----|
| Cancer..... | 1 | 1 | 3 | 1 | 6 |
| Consumption..... | 11 | 15 | 20 | 15 | 61 |
| Marasmus..... | 1 | 1 | 1 | 1 | 4 |
| Meningitis..... | 0 | 1 | 0 | 0 | 1 |
| Bright's Disease..... | 0 | 3 | 1 | 2 | 6 |
| Bronchitis..... | 0 | 1 | 0 | 1 | 2 |
| Heart Disease..... | 3 | 6 | 11 | 8 | 28 |
| Pneumonia..... | 1 | 10 | 6 | 10 | 27 |
| Accidents..... | 0 | 1 | 0 | 0 | 1 |
| Accidents on Railroads..... | 1 | 0 | 0 | 0 | 1 |
| Disease of the Brain..... | 1 | 3 | 3 | 9 | 16 |
| Disease of the Bowels..... | 3 | 1 | 0 | 0 | 4 |
| Dropsy..... | 4 | 2 | 4 | 8 | 18 |
| Paralysis..... | 1 | 1 | 4 | 3 | 9 |
| Old Age..... | 3 | 2 | 3 | 7 | 15 |
| Convulsions..... | 1 | 3 | 0 | 1 | 5 |
| Suffocation..... | 1 | 0 | 0 | 0 | 1 |
| Spotted Fever..... | 1 | 0 | 0 | 0 | 1 |
| Child Bed Fever..... | 0 | 1 | 0 | 0 | 1 |
| Burned..... | 0 | 2 | 0 | 1 | 3 |
| Peritonitis..... | 0 | 1 | 0 | 1 | 2 |
| Suicide..... | 0 | 1 | 0 | 0 | 1 |
| La Grippe..... | 0 | 2 | 11 | 0 | 13 |
| Angina Pectoris..... | 0 | 0 | 1 | 0 | 1 |
| Drowned..... | 0 | 0 | 3 | 1 | 4 |
| Child Birth..... | 0 | 0 | 0 | 1 | 1 |
| Entero Colitis..... | 0 | 0 | 0 | 1 | 1 |
| Premature Birth..... | 0 | 0 | 0 | 1 | 1 |
| All other diseases..... | 3 | 5 | 11 | 10 | 29 |
| Unknown..... | 2 | 1 | 9 | 4 | 16 |
| Total..... | 55 | 95 | 107 | 109 | 366 |

| | |
|---------------------------------|-----|
| Dead Born..... | 1 |
| Total for the Year..... | 367 |
| Still Born..... | 4 |
| Dead Born..... | 1 |
| Brought Here for Interment..... | 0 |

DECEDENTS.

| | |
|--------------------------------|-----|
| White..... | 298 |
| Negro..... | 69 |
| Total..... | 367 |
| Males..... | 181 |
| Females..... | 186 |
| Total..... | 367 |
| Born in the United States..... | 367 |
| Foreign Born..... | 0 |
| Total..... | 367 |

AGES OF THE DECEDENTS.

| | |
|--------------------------|----|
| Under 1 year..... | 50 |
| From 1 to 5 years..... | 48 |
| From 5 to 10 years..... | 15 |
| From 10 to 20 years..... | 22 |
| From 20 to 30 years..... | 25 |
| From 30 to 40 years..... | 32 |
| From 40 to 50 years..... | 27 |
| From 50 to 60 years..... | 19 |
| From 60 to 70 years..... | 40 |
| From 70 to 80 years..... | 54 |
| From 80 to 90 years..... | 15 |

| | |
|----------------------------|-----|
| From 90 to 100 years | 1 |
| Not Stated... .. | 9 |
| <hr/> | |
| Total..... | 367 |

BIRTHS.

| | |
|--------------|-----|
| White..... | 222 |
| Negro | 8 |
| <hr/> | |
| Total..... | 230 |
| Males..... | 125 |
| Females..... | 105 |
| <hr/> | |
| Total..... | 230 |

MARRIAGES.

| | |
|-------------|-----|
| White..... | 203 |
| Negro | 13 |
| <hr/> | |
| Total..... | 216 |

E. B. FRAZER, Secretary.

RECAPITULATION

*Mortuary Report in the State for the Year Ending
June 30, 1894.*

| | Marriages. | Births. | Deaths |
|-------------------------|------------|---------|--------|
| New Castle County..... | 584 | 1977 | 1700 |
| Kent County | 153 | 115 | 350 |
| Sussex County | 216 | 230 | 367 |
| | <hr/> | <hr/> | <hr/> |
| | 953 | 2322 | 2417 |
| Compared with 1893..... | 1061 | 1922 | 2665 |

The annual death rate in the one thousand inhabitants for the year ending June 30th, 1894, is 14.34.

CONSUMPTION

In the State During the Year 1894.

| | 1893. | 1894 |
|------------------------|-------|-------|
| New Castle County..... | 185 | 167 |
| Kent County | 61 | 57 |
| Sussex County..... | 67 | 61 |
| | <hr/> | <hr/> |
| Total Deaths | 313 | 285 |

E. B. FRAZER, Secretary.

RECAPITULATION

*Mortuary Report in the State for the Year Ending
June 30, 1894.*

| | Marriages. | Births. | Deaths |
|-------------------------|------------|---------|--------|
| New Castle County..... | 584 | 1977 | 1700 |
| Kent County | 153 | 115 | 350 |
| Sussex County | 216 | 230 | 367 |
| | <hr/> | <hr/> | <hr/> |
| | 953 | 2322 | 2417 |
| Compared with 1893..... | 1061 | 1922 | 2665 |

The annual death rate in the one thousand inhabitants for the year ending June 30th, 1894, is 14.34.

CONSUMPTION

In the State During the Year 1894.

| | 1893. | 1894 |
|------------------------|-------|-------|
| New Castle County..... | 185 | 167 |
| Kent County | 61 | 57 |
| Sussex County..... | 67 | 61 |
| | <hr/> | <hr/> |
| Total Deaths | 313 | 285 |

E. B. FRAZER, Secretary.

Ninth Biennial Report

OF THE

BOARD ♦ OF ♦ HEALTH

OF THE

STATE OF DELAWARE.

1895-1896.

Ending June 30th, 1896.

1897 :

THOS. ROSSITER,
PRINTER AND BOOKBINDER,
WILMINGTON, DEL.

Ninth Biennial Report

OF THE

BOARD ♦ OF ♦ HEALTH

OF THE

STATE OF DELAWARE.

1895-1896.

Ending June 30th, 1896.

1897 :
THOS. ROSSITER,
PRINTER AND BOOKBINDER,
WILMINGTON, DEL.

NINTH BIENNIAL REPORT
OF THE
Board of Health
OF THE
STATE OF DELAWARE.

WILMINGTON, DEL., December 17th, 1896.

To His Excellency,

WILLIAM T. WATSON,

Governor of the State of Delaware.

SIR: I have the honor to present to you, in compliance with the laws of the State, the Ninth Biennial Report of the Board of Health of the State of Delaware, for the fiscal years from June 30th, 1894, to June 30th, 1896.

Very Respectfully,

EDMUND B. FRAZER,
Secretary State Board of Health.

MEMBERS
OF THE
BOARD † OF † HEALTH
OF THE
STATE OF DELAWARE.

- EZEKIEL W. COOPER, M. D., President,
Post Office Address, Camden, Kent County.
- IRVING S. VALLANDIGHAM, M. D.,
Middletown, New Castle County.
- ALEXANDER LOWBER, M. D.,
Wilmington, New Castle County.
- FRANK F. PIERSON, M. D.,
Wilmington, New Castle County.
- JOHN W. CLIFTON, M. D.,
Smyrna, Kent County.
- ROBERT G. ELLEGOOD, M. D.,
Concord, Sussex County.
- EDWARD FOWLER, M. D.,
Laurel, Sussex County.
- EDMUND B. FRAZER, Secretary,
Wilmington, Delaware.

Prefatory.

The law creating a State Board of Health was passed March 13th, 1879, as follows : That within thirty days after the passage of this Act, the Governor shall appoint seven physicians of skill and experience, three of whom shall be residents of New Castle County, and two each of Kent and Sussex Counties, who shall constitute a Board of Health, to be called the Board of Health of the State of Delaware. The Board shall meet at least once every six months, and oftener if necessary, and four members shall constitute a quorum for the transaction of business. The Board shall have power to adopt rules and by-laws for their government, subject to the provisions of this Act.

Pursuant to the Act, the Board appointed by Governor Hall, met in Dover, April 28th, 1879, and organized. The appropriation for the work of the Board was not sufficient to enable them to carry on its work in a way satisfactory to its members. And although it has been increased, the amount now appropriated is not sufficient to pay all the expenses incident thereto, and pay the secretary, who is also executive officer of the Board to prosecute the work of inspections and investigations he is called upon to do. With a more liberal appropriation the work of inspecting the free schools in the State, now very much neglected, could be done in a manner satisfactory to the Board ; because, first, the sanitary condition of the school buildings and their surroundings

would be investigated and very many things now neglected would be brought to the attention of the Boards of Public Education and School Commissioners, urging them to provide such changes in the school buildings and their surroundings, that would add greatly to the health and comfort of both teacher and pupil. The public institutions in the State have been inspected twice a year, and the reports show that their sanitary condition is good, this includes almshouses and jails. Visits and inspections by the secretary of villages and towns, have a tendency to cause those in authority to bestir themselves, and to take care that the health of the people is not jeopardized by their neglect.

WILMINGTON, December 17, 1896.

EDMUND B. FRAZER,

Secretary.

LAWS OF DELAWARE
FOR THE
Preservation of the Public Health
AND
Registration of Vital Statistics.

CHAPTER 345.

OF MEMBERS OF BOARD OF HEALTH.

An Act for the Preservation of the Public Health.

Be it enacted by the Senate and House of Representatives of the State of Delaware in General Assembly met, as follows :

SECTION 1. It shall be the duty of the Common Council of every city and the Commissioners of every incorporated town in this State, in which there is not now a Board of Health duly organized, to appoint, once in each year, a Board of Health for such city or town, to consist of not less than three nor more than seven persons, of whom at least one shall be a physician duly authorized to practice medicine ; and in case there be a port physician already appointed by the Governor, he shall be a member of the Board **EX OFFICIO**.

SEC. 2. The several Boards of Health, constituted under this Act, shall elect from among their own members a president and secretary

of such board, and shall meet not less than once in every three months. The secretary of the board shall keep the minutes of the meetings of the board, and shall perform all such duties as shall be assigned to him by the board ; for which services he shall receive such compensation as the city council, or commissioners of the respective cities or towns may determine.

SEC. 3. The Board of Health shall have power to direct that any noisome matter, whether vegetable, animal or otherwise, within the boundaries of their respective cities or towns, or within one mile thereof, or any vessel then having, or having recently had any contagious disease on board, which, according to the opinion of the board, may be the occasion of contagious or infectious disease, shall be removed or remedied by the person to whom the same belongs, or in whose possession, or upon whose property it is ; and that any place, in such city or town, or within one mile of the boundaries thereof, being in such filthy or noxious state that according to the opinion of the board may be the occasion of contagious or infectious disease, shall be cleansed by such persons to whom the same belongs, or in whose possession it is ; and that any reservoir of stagnant water, or other nuisance, or unwholesome thing, in such city or town, or within one mile of the boundaries thereof, which according to the opinion of the board may be the occasion of contagious or infectious disease, shall be abated, removed or remedied by the person to whom the same belongs, or in whose possession, or on whose property it is ; and they shall have power to remove any hog pens in such city or town, when in the opinion of the said board it shall be deemed necessary or conducive to public health to remove ; PROVIDED, HOWEVER, that if it shall appear to the board that any of the said nuisances, hereinbefore mentioned, are caused, or produced by any person or persons other than those on whose premises the said nuisance exist, or that the said nuisance or nuisances are caused or produced by water, or filthy, noisome, or unwholesome matter flowing or running from the premises of any other person or persons, or from premises which may be in his, her or their occupation, the said board shall then give directions to cleanse, remove,

abate or remedy the same to the person or persons causing or producing such nuisance or nuisances, or to the person or persons from whose premises, or from premises which may be in his, her or their occupation, the same shall flow or run; and if the person to whom such direction is given shall not observe and fulfill the same within the time therein prescribed by the board, the said "person or persons shall be deemed guilty of a common nuisance, and upon conviction thereof before a Justice of the Peace, shall be fined not less than five dollars, nor more than twenty dollars, with cost of suit, and stand committed to the county jail till the same be paid, or until discharged by law."

SEC. 4. The board, when satisfied, after an examination that any cellar, room, tenement or building within its jurisdiction, occupied as a dwelling place, has become, by reason of the number of occupants, or want of cleanliness, or other cause, unfit for such purpose, and a cause of nuisance or sickness to the occupants, or the public, may direct the owner or owners, or occupants thereof to have the premises properly cleansed; or if they see fit, to require the occupants to remove or quit the premises within such time as the board may deem reasonable. If the person or persons so notified, or any of them, neglect or refuse to comply with the direction of the board, the board may cause the premises to be properly cleansed at the expense of the owners, or may remove the occupants forcibly and close up the premises; and they shall not again be occupied as a dwelling place without permission in writing of the board; and if such owner or owners refuse to pay the expenses incident to the execution of such orders, the treasurer of the board, or the city council, or town commissioners, shall recover the same with interest and costs from the person who ought to have paid the same, as debts of like amounts are recoverable.

SEC. 6. — Whenever a Board of Health shall think it necessary for the preservation of the lives and health of the citizens to enter a place, building, or vessel, within their jurisdiction, for the purpose of examining into and destroying, removing, or preventing any nuisance, source of filth, or cause of sickness, and shall be refused such entry, any

member of the board may make complaint under oath, to any Justice of the Peace of this county, stating the facts of the case as far as he has knowledge thereof. Such Justices of the Peace shall thereupon issue a warrant directed to the Sheriff or any Constable of the county, commanding him to take sufficient aid, and being accompanied by two or more members of the board of health, between the hours of sunrise and sunset, repair to the place where such nuisance, source of filth, or cause of disease may exist, and the same destroy, remove or prevent, under the direction of such members of the board.

SEC. 7. Any Justice of the Peace, on application, under oath, showing cause therefor, by a Board of Health, or any authorized member thereof, shall issue his warrant, under his hand, directed to the Sheriff or any Constable of his county, requiring him, under the direction of the Board of Health to remove any person or persons infected with contagious disease, or to take possession of condemned houses or lodgings.

SEC. 8. The Board of Health shall have power, in case of the prevalence or of reasonable ground to apprehend the prevalence of malignant disease within its jurisdiction, to direct especially the cleansing of houses, cellars, yards, docks, or other such places as the board shall consider requisite, or prudent, for the preservation of the public health, or for the mitigation of disease, and if such direction shall not be observed and fulfilled, within the time prescribed, by the person or persons to whom the directions were given, the said board shall order an officer of the board, or some other person or persons, to carry the same into effect, and the expenses thereof shall be paid by the person or persons to whom the direction was given unless the board shall otherwise order; and if payment of the same shall not be made on demand, the treasurer of the board, city council, or town commissioners, shall pay the same, and shall recover the same, with interest and costs, from the person who ought to have paid the same, as debts of like amounts are recoverable.

SEC. 9. If any person shall cast into any street, lane, or alley, or

shall suffer to run or be washed from any slaughter house, stable, privy, yard, or place, in his or her possession, into any street, lane, or alley of any city or town, having a Board of Health constituted as aforesaid, any blood, garbage, carron, dead animal, dung, filth, or noisome or offensive matter; or if any person shall suffer any skins, rags, or other matter, to be in a noisome or offensive state, within or upon property in his or her possession, within said city or town limits, or shall deposit in any of its lots, streets, lanes or alleys, or near any dwelling-house, any contents of any slaughter house or stable, or any matter in a noisome state, or, having deposited or put such offensive substances in any of the aforesaid places, shall not immediately remove the same on the requirement of the Board of Health, every person so offending shall be guilty of a common nuisance, "and upon conviction thereof before a Justice of the Peace, shall be fined not less than five dollars nor more than twenty dollars, with costs of suit, and stand committed to the county jail till the same be paid or until discharged by law."

SEC. 10. If any owner, agent, or tenant of any property in the town or city as aforesaid regulated, shall suffer the privy well thereon to be so full that any two members of the Board of Health shall declare the same to be a nuisance, such owner, his agent and tenant in possession shall be either of them responsible after notice—unless such privy shall be cleansed within one week after such notice shall be guilty of a common nuisance, and for every such offence shall, upon conviction thereof before a Justice of the Peace be fined not less than one dollar nor more than twenty dollars, with costs of suit, and stand committed to the county jail until the same be paid or until discharged by law.

SEC. 11. If any person shall use a slaughter house, or place belonging thereto, within such city or town limits as aforesaid, after the Board of Health have pronounce the same noisome, or having used such slaughter house shall not on the requirement of the Board of Health immediately and effectually cleanse the same, every person so offending shall be guilty of a common nuisance, and shall "upon con

viction thereof before a Justice of the Peace be fined not less than fifteen dollars nor more than twenty-five dollars, with costs of suit, and stand committed to the county jail till the same be paid or until discharged by law."

SEC. 12. Every Board of Health, constituted as aforesaid, shall have power to make orders and regulations in their discretion concerning the place and mode of quarantine; the examination and purification of vessels, boats, and other craft not under quarantine; the treatment of vessels, articles or persons thereof; the regulation of intercourse with infected places; the apprehension, separation and treatment of emigrants and other persons who shall have been exposed to any infectious or contagious disease; to regulate and prohibit or prevent all communication or intercourse with all houses, tenements and places, and the persons occupying the same, in which there shall be any person who shall have been exposed to such contagious or infectious disease.

SEC. 13. The said Board of Health shall have power to procure suitable places for the reception of persons under quarantine, and persons sick with the Asiatic or malignant cholera, or any other malignant or other infectious or contagious disease; and in all cases where sick persons cannot otherwise be provided for, to procure for them proper medical and other attendance and necessaries.

SEC. 14. A majority of a Board of Health will form a quorum to do business, a less number may adjourn.

SEC. 15. All vacancies occurring in any Board of Health by death, or otherwise, shall be filled by the city council or town commissioners, as the case may be; and the same authorities shall have power to remove, for sufficient cause, any member of the Board of Health in their respective jurisdictions.

SEC. 16. The Secretary of State shall cause copies of this Act to be printed and transmitted within eight weeks after the adjournment of the Legislature, in such manner as he shall think expedient, to the

Mayor of every city, and the commissioners of every incorporated town in this State.

Passed at Dover, March 18, 1881.

SEC. 17. That from the decision of the Justice of the Peace, under any of the provisions of this Act, or to the one hereby amended, there shall be no appeal.

SEC. 18. That all acts or part of acts inconsistent with the provisions of this Act be and the same are hereby repealed.

Passed at Dover, April 21, 1887.

CHAPTER 381.

GENERAL PROVISIONS RESPECTING THE POLICE.

An Act to Provide for the Registration of Births, Marriages and Deaths in the State of Delaware.

Be it enacted by the Senate and House of Representatives of the State of Delaware in General Assembly met, as follows :

SECTION 1. The Secretary of the State of Delaware, shall, on or before the first day of July, 1881, procure three suitable books for each county in the State, in which respectively may be recorded the births, marriages and deaths occurring within the State, and furnish one book of each kind to the Recorder of Deeds in each county.

SEC. 2. It shall be the duty of said Recorders to record in said books all such births, marriages and deaths as the same may be returned, or lodged in their offices for that purpose; for which service he shall receive from the county five cents for every certificate so recorded. He shall also at the end of every three months furnish a copy of such records for the preceding three months to the Secretary of the State Board of Health for which copy he shall be paid at the same rate as above provided.

SEC. 3. The books so provided shall be separate and distinct, each from the other, and shall be respectively entitled, "The Register of Births," "The Register of Marriages," and "The Register of Death," and shall each be furnished with an index. The Register of Births shall be ruled on each page with columns from top to bottom, each column with an appropriate heading, as follows: Full name of child, sex, color, date and place of birth; father's name, age, occupation, nativity; name of mother previous to marriage, age, nativity; child's number in this family; number by this mother; date of certificate; date of registration.

SEC. 4. It shall be the duty of the physician present at the birth of any child, or (if not present at the time of the birth of the child) who attends the case of any mother during her lying-in period, after the first day of July, 1881, to report to the Recorder of Deeds for the county in which any such child shall have been born, the day, month and year of the birth, the sex and color of the child, and name of the father and mother, on the form to be furnished by the Recorder of the county, and return the certificates so prepared to said Recorder on or before the first days of January, April, July and October in each year, together with the facts relative thereto; and every midwife present at the time of, or within five days after the birth of any child, where no physician is attending said case, after the first day of July, 1881, shall within ten days after any such birth, report to the practicing physician residing nearest her place of residence, the day, month and year of the birth, the sex, and color of the child, and the name of the father and mother, and the physician shall make return in the same manner as if he had been present at such birth, varying only in stating upon whose information he made the certificate, for which service the physician shall receive (five) cents for each certificate so returned by him to be paid by the county in which such return has been made. Each and every birth so returned shall be registered by the Recorder under the letter of the alphabet to which they respectively belong; and the birth or births therein certified shall be recorded so as to conform to the form prescribed, as far as possible; and the record need not be a literal copy,

only so that it conform to the facts certified. All certificates so returned to the Recorder shall be filed by him, according to the date of the return.

SEC. 5. The Register of Marriages shall be ruled with columns from top to bottom of each page, and have headings as follows: Full name of groom; age; color; nation or State; residence; occupation. Full name of bride; age; color; nation or State; residence; names and birthplaces of parents; date of marriage; number of previous marriages; names of person solemnizing the marriage; date of certificate; date of registration.

SEC. 6. It shall be the duty of every clergyman, and every magistrate, and of the clerk or keeper of the records of any religious society, by or before whom any marriage or marriages may hereafter be solemnized, or contracted, to make a faithful return of the same every three months by returning the certificate or certificates, in the form issued by the Recorder of Deeds of the county in which such marriage or marriages may have been solemnized or contracted, to the said Recorder. If any certificate shall contain more than one marriage the Recorder shall register each marriage under the letter of the alphabet to which they respectively belong; and if any certificate be not in due form, the marriage or marriages therein certified shall be registered by the Recorder in such manner as to conform to the above form as far as practicable, so as to show the facts. All such certificates shall be filed according to their dates.

SEC. 7. The "Register of Deaths" shall on each page be ruled from top to bottom so as to form appropriate headings as follows: Name; age; color; nation or State; if a foreigner, how long in the United States; residence; occupation; married; single or widow; sex; name and nation of parents; cause of death and complications; date of death; date of certificate; date of registration. Whenever any person shall die, it shall be the duty of the physician attending, or of the Coroner, when the case shall come under his notice, to make out under his hand and

to furnish to the undertaker a certificate of said death, according to the form furnished by the Recorder of Deeds.

SEC. 8. It shall be the duty of the undertaker in charge in case of a death, to procure from the physician in attendance, or if there have been no physician, then from the family, or from the Coroner, when the case shall have come under his charge, a certificate, prepared according to the form prescribed in the preceding section; and in no case shall interment be made until such certificate be procured; and all such certificates shall be furnished at least every three months to the Recorder of Deeds for the county in which the death occurred. If any certificate shall contain more than one death, the Recorder shall register such death under the letter of the alphabet to which they respectively belong; and if any certificate shall not be in due form the death or deaths therein certified shall be registered so as to conform to such form as far as practicable. In the case of the City of Wilmington, the certificate, when filled and signed as heretofore provided, shall be returned to the Register of Births, Marriages and Deaths for that city, to be by him recorded and returned at the end of every three months to the Recorder of Deeds of New Castle County, to be registered by him as above directed.

SEC. 9. If any physician, or coroner, or undertaker, or magistrate, or midwife, or register of death, or clergyman, or clerk of any society by or before which marriages may be solemnized, shall neglect or refuse to comply with the duties imposed on such person by the preceding sections of this act, he shall be fined no less than five nor more than ten dollars for each and every case so neglected or refused; to be recovered before any Justice of the Peace of the county in which said delinquent resides; the one-half thereof to the use of the State and the other half thereof to the person who shall sue for the same.

SEC. 10. The books of registration kept by the Recorder, or a duly certified copy thereof, shall be admitted as evidence in any court of law or equity, and in any legal proceedings whatever in this State, where it may be necessary to allege or prove such birth, marriage or

death. The Recorder of Deeds shall receive the sum of thirty cents for such certificate; and fifteen cents for making a search for birth, marriage or death; to be paid by the person applying for such certificate or search; but the said register shall at all times be accessible to physicians, clergymen and lawyers without charge.

SEC. 11. It shall be the duty of clergymen or ministers of religion, of all denominations, and magistrates, and of the clerks or keepers of records, all societies, and of all other persons, by or before whom any marriage may hereafter be solemnized or contracted, and for every practicing physician and midwife, and of the Register of Births, Marriages and Deaths for the city of Wilmington, and of every undertaker of any cemetery or burying-place, on or before the first day of July, 1881, and hereafter of all such persons as may occupy the position herein mentioned in this State, to report his, her or their name, or names and place of residence to the the Recorder of Deeds of the county in which such person or persons may then reside; and it shall be the duty of the Recorder to have the same alphabetically registered in a suitable book to be by him provided for the purpose. In the event of any of the persons above specified removing to any other place of residence within the State, it shall be the duty of such person to notify the Recorder of Deeds of the county to which he removes, of the fact within thirty days after such removal; and if any person as above mentioned shall neglect or refuse to comply with the requirements of this section, shall be fined not less than five dollars, nor more than ten dollars, to be recovered as provided in Section 9.

SEC. 12. Every person who is hereby required to return a certificate of a birth, marriage or death to the Recorder of Deeds or Register of Deaths, and shall accordingly make such return shall be entitled to receive from the Levy Court of the county in which such birth, marriage or death took place, the sum of five cents for each and every return so made: PROVIDED, such account shall have been certified by the said Recorder or Register. The blank forms requisite to carry out the provisions of this act shall be furnished by the Recorder of each county

to each person or persons who are included in Section 11, and who reside in their respective counties; and all the fees and expenses heretofore mentioned, shall, when duly certified be paid by the Levy Court of each county.

SEC. 13. All acts and parts of acts inconsistent herewith or supplied by this act are hereby repealed.

Passed at Dover, April 7, 1881.

ABSTRACT OF THE PROCEEDINGS
 OF THE
 BOARD OF HEALTH OF THE STATE OF DELAWARE
 AT ITS
 MEETINGS DURING THE YEARS ENDING JUNE
 30, 1895, AND JUNE 30, 1896, INCLUSIVE.

A stated meeting of the Board of Health of the State of Delaware was held in the Central Hotel, at Wilmington, on Tuesday, the 27th day of November, 1894.

Members present. Drs. Alex. Lowber, Wm. T. Skinner, Irving S. Vallandigham, Robert G. Ellegood and David L. Mustard.

The President, Dr. E. W. Cooper, being absent, Dr. Mustard was called to the chair at 11.30 A. M. The minutes of the last stated meeting were read and approved.

The committee on a new circular were absent, Dr. E. W. Cooper, Dr. B. L. Lewis. Continued.

The committee of one, Dr. Irving S. Vallandigham, subject, Tuberculosis, reported that he had given the subject careful study and he was convinced that he could not improve on Circular No. 1, of our Board, on the prevention of consumption or

tuberculosis : whereupon, on motion of Dr. Skinner, the committee was discharged.

Dr. Ellegood introduced the following resolution, which was adopted:

“ Resolved. That a copy of Circular No. 1, entitled “ For the Prevention of Tuberculosis,” shall be presented to each of the newspapers of this State with the request that in the interest of philanthropy they publish it, or as much of it as they can afford for such consideration, that as many people as possible may have the benefit of the valuable information it contains.”

Circular No. 1 is of this Board.

The secretary read his report of work and inspections for the past six months, as follows :

May 29th last W. Jenks Fell, of Faulkland, complained to your secretary, in writing, as follows : David Cornbrook, of the same place, owned a horse which died, and he left the dead horse unburied on his own land within two hundred yards of the rear of his (Fell's) residence, and that the stench was very annoying to his family.

Your secretary notified Cornbrook to remove the nuisance forthwith. Mr. Fell complained again June 4th that the nuisance had not been removed. June 6th your secretary made an investigation of the place and found the dead horse unburied and the odor therefrom very annoying to Fell's family.

June 7th your secretary took a warrant for Cornbrook and he was brought before Justice McWhorter, in Wilmington, for a hearing June 9th, at 10.00 A. M. Same date Mr. Fell notified the justice that the nuisance had been removed by the defendant. Your secretary asked the justice to discharge the defendant upon the payment of the cost. He was discharged.

June 7th Thos. Sweatman complained to your secretary that Levi Huggins had erected a stable near and adjoining his dwelling house, and that the odor from said horse stable was a

nuisance. Both reside in Glasgow. Your secretary made an inspection of the place July 10th and found no cause for action.

June 16th Wm. McCallister filed a complaint, signed by himself and Drs. Springer and Peters, of Christiana Village, against certain owners of marsh land near Christiana. It was alleged that the banks along the Christiana Creek were broken, and that when the tide receded every day a vile odor arose from the mud and filth left upon the marsh land by the tides. McCallister was a tenant on a farm near the creek. Your secretary notified the owners and agents of the marsh land of the complaint, and they all replied and said that the banks and marsh had been in its present condition for fifteen years.

June 28th your secretary in company with Dr. Lowber, a member of the Board, visited the farm of McCallister and viewed the marsh land. Dr. Springer was interviewed and he was of the opinion that the miasma which arises during the receding tides had a tendency to create malaria and typhoid fever. We were of the opinion that the Board had no jurisdiction and therefore could not act.

At the suggestion of several physicians in the State, your secretary visited Georgetown, June 26th, to look after the Kickapoo Indian medicine men who were holding concerts at night, and at the close would offer their cure-alls for sale; this is in violation of law. Your secretary read the laws of Delaware in relation to the subject to an agent of the company. He acknowledged ignorance of the law and agreed to discontinue the sale of said cure-alls and leave the State if he was not prosecuted. This was agreed to.

CAMDEN.

July 9th L. D. Caulk, of Camden, complained to your secretary that Hollis Brothers' butchers, slaughter house was a nuisance. Your secretary notified the butchers and the local Board of Health of Camden.

July 11th Mrs. A. M. Watkins, of Masten's Corner, notified your secretary that a dead horse owned by John H. Harrington and Elijah Sapp was lying unburied within three hundred yards of her dwelling, and that the stench was annoying to her. Notified the owners of the dead horse to remove the nuisance.

July 13th E. D. C. Hegeman, of Laurel, complained to your secretary of a filthy livery stable and sick pigs in Laurel. Your secretary requested the editor to publish the health laws of Delaware in the "Countian," a newspaper published in Laurel, and referred the subject to the local Board of Health of the town.

August 7th Peter L. Hayden, of Newport, complained to your secretary that the dwelling house in which he resided, and owned by Mrs. McKeever, of Wilmington, was in an unsafe and unsanitary condition, and that his wife was sick in bed and attended by Dr. Irwin M. Flinn, who was requested to make a statement: he did not reply. August 8th your secretary inspected the place and found the house dirty and water in the cellar: the owner was notified. There was no case to act upon by the Board.

Same date your secretary inspected the pumping station of New Castle's water works. The water is pumped from None Such Creek, a small sluggish stream which empties into the Christiana Creek. The source of None Such Creek is from a spring or springs about three-quarters of a mile from the station, south. The water is only of fair quality during the summer and fall months. The station was kept in good condition.

Same date your secretary inspected New Castle County's almshouse and found everything in the best order under David McCoy, the superintendent. Inmates, white, 205; negroes, 37. There was no sickness in the institution.

Same date the Delaware State Hospital was inspected and

found to be in excellent condition under Dr. W. H. Hanker. There were 148 inmates ; no sickness.

Same date your secretary inspected New Castle jail. It was found to be well managed and clean under Sheriff Pierce Gould. Inmates, 148 ; no sickness.

Same date inspected the City of New Castle and found it to be well taken care of by the Health Committee of City Council.

August 25th, Pierce Gould, Sheriff of New Castle County, complained to your secretary of an old negro woman, Phillis Maherd, said to be one hundred and four years old, and living in an old house on Harmony street, in the city of New Castle, with a son, a man of about seventy years old. It was charged that the place was overrun with vermin, and the slops were emptied into the street during the night. Your secretary inspected the place August 27th, and found the old woman almost helpless and the house and yard in a filthy condition. The case was laid before L. E. Elliason, chairman of the committee on health of New Castle city. Your secretary was of the opinion that the old woman should be removed to the almshouse and the place cleaned up.

August 29th your secretary visited Dover, and the next day drove over to Camden and called upon Dr. E. W. Cooper, president. We visited the canning plant of William Ellison in Camden, and found it to be clean and a number of new methods added for the removal of the tomato and other waste. Mr. Ellison employs 200 persons ; two-thirds are females, including forty negroes. We found no cause for complaint. The refuse is spread upon the land and it has proved to be a first-class fertilizer for wheat and corn.

September 25th Dr. William T. Skinner notified your secretary that scarlet fever and diphtheria prevailed at Kirkwood and vicinity, and that he had ordered the school closed at Kirkwood. He requested your secretary to mail circulars on scarlet fever

and diphtheria to Kirkwood, St. Georges, Summit Bridge, Red Lion and Glasgow. They were mailed the same day.

October 17th Benjamin Peters of Christiana, entered a complaint for Miss Emma L. Bratton of the same place. She complained of water coming into her cellar from a ditch in the public road in front of her dwelling during every rain storm.

October 19th your secretary visited Christiana and inspected Miss Bratton's premises and found that the ditch referred to was filled up some distance below. Your secretary drew the attention of the Road Commissioners of White Clay Creek Hundred to the condition of said ditch. Abated.

Same date Dr. B. B. Peters of Christiana, informed your secretary that he had two typhoid patients in a family two miles from the village, caused by bad drainage. The house was old; kitchen floor settled down upon the ground and considerable filth under said floor. Your secretary notified Joseph H. Caleb, the owner, residing in Newark.

On motion of Dr. Ellegood, the Chair (Dr. Mustard,) was authorized to appoint a committee on legislation. The Chair appointed the following gentlemen: Dr. Robert G. Ellegood, of Sussex County; Dr. E. W. Cooper, of Kent County; Dr. Alex. Lowber, of New Castle County.

On motion of the same gentleman the Chair appointed the following gentlemen a committee to examine the Eighth Biennial Report of the secretary: Dr. Irving S. Vallandigham, Dr. William T. Skinner, Dr. E. W. Cooper.

On motion of Dr. Ellegood that two members of this Board be appointed to attend the National Conference of State Boards of Health to be held in Washington, D. C., December 12, 1894, and that said members be authorized to appoint alternates, if necessary. The Chair appointed Dr. Irving S. Vallandigham and Dr. William T. Skinner.

The following resolution was adopted:

“ Resolved, That the secretary being an executive officer of this Board is hereby instructed and required to exercise every effort and authority within the scope of his power to have the laws relating to the registration of clergyman, physicians, mid-wives and undertakers strictly executed.”

Your secretary begs leave to report that since his last notice in the public press in October, 33 persons had registered as required by law.

Orders were directed to be drawn for bills and the expenses of the members for this meeting.

On motion of Dr. Vallandigham the Board adjourned.

EDMUND B. FRAZER, Secretary.

| | |
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| Due the Board November 27th, 1894..... | \$606.69 |
| Expenses this meeting..... | 440.82 |
| | —————\$165.87 |

WILMINGTON, DEL., December 18, 1894.

The Committee on Publication and Revision met in Wilmington, December 18th, 1894, at the Central Hotel. Present, Dr. E. W. Cooper and Dr. William T. Skinner. Absent, Dr. Vallandigham.

At 11.30 o'clock A. M., Dr. Cooper called the meeting to order. The secretary presented the Eighth Biennial Report of the Board, which was examined and approved.

Dr. Cooper agreed to prepare the address to the Legislature, which is a brief review of the work of the Board during the past two years, and the importance of additional legislation to enable the Board to prosecute its work.

Orders were directed to be drawn for the expenses of this meeting, and to pay Dr. Skinner for his expenses in attending the meeting of the National Conference of State Boards of

Health, held in Washington, December 12th, 1894. Total expenses, \$22.65. Adjourned.

EDMUND B. FRAZER, Secretary.

WILMINGTON, DEL., February 7, 1895.

A special meeting of the Board of Health of the State of Delaware was held in Wilmington, at the Clayton House, on the above date.

Members present, Dr. E. W. Cooper, president : Drs. Lowber, Skinner, Vallandigham and Ellegood.

The president, Dr. Cooper, called the Board to order at 11.25 o'clock A. M. The secretary read a bill, now before Congress, on "Water, or Pollution of Streams," received from George Homan, M. D., Health Commissioner of St. Louis. The secretary was instructed to acknowledge the receipt of the letter and bill, which was filed.

The secretary read a letter from J. Berrien Lindsley, M. D., Secretary of the State Board of Health, Nashville, Tenn., subject, "The Distribution of Anti-Toxine Through Boards of Health."

On motion of Dr. Ellegood Dr. Vallandigham was appointed a committee to prepare a paper looking to the distribution of Anti-Toxine and other serum, and to report at a meeting of this Board. The letter was ordered to be filed.

On motion of Dr. Vallandigham that Dr. Ellegood prepare a bill on vaccination to be reported to a meeting of this Board to be held in Dover.

Dr. Ellegood introduced the following preambles and resolution :

"WHEREAS, The State Board of Health is the legally constituted superintendent of the registration and health laws of the State, and an advisory board to other State officers, and

“ WHEREAS, Acts looking to general sanitation and to the purification of food supplies, etc., are being introduced in the Honorable General Assembly now in session in Dover; therefore be it

“ Resolved, That the secretary be and he is hereby instructed to respectfully ask the Speakers of the two Houses of the General Assembly to have transmitted to this Board copies of any bills which have been or may be submitted to them looking to the general sanitary condition or other Acts relating to the health of our citizens.”

On motion of Dr. Vallandigham the preambles and resolution were adopted.

February 8th, 1895, mailed a copy to each Speaker.

• EDMUND B. FRAZER, Secretary.

The Secretary read Section 12 from the Ordinance of the City of Wilmington : Subject. “ The Disinterment and Removal of Dead Bodies who Died of Certain Contagious Diseases.”

On motion of Dr. Vallandigham the secretary was requested to formulate an Act similar to be presented to the Legislature regulating such disinterments and removal of dead bodies throughout the State of Delaware.

Orders were directed to be drawn for bills and expenses of this meeting ; amount, \$35.59.

On motion of Dr. Ellegood that the Board now adjourn to meet at the call of the president, Dr. E. W. Cooper. Adjourned.

EDMUND B. FRAZER, Secretary.

DOVER, DEL., March 7, 1895.

A special meeting of the Board of Health of the State of Delaware was held in Dover, in the State House, on the above date.

Members present, Drs. E. W. Cooper, president ; Ellegood, Skinner, Vallandigham, Lewis, Mustard and Lowber.

The president, Dr. E. W. Cooper, called the Board to order at 11.30 o'clock A. M.

A bill to prevent the pollution of streams in the State had been introduced in the House of Representatives. The bill was produced and read, when it was discovered that it referred to only one stream. After discussion it was agreed to amend said bill so as to cover all the streams in the State.

On motion of Dr. Mustard the Board took a recess until 1.30 o'clock P. M.

At 1.30 o'clock P. M. the president, Dr. Cooper, called the Board to order. All the members were present except Dr. Skinner.

The secretary was authorized to employ counsel to prepare a bill regulating the disinterment and removal of dead bodies in the State.

Dr. Ellegood was appointed to prepare an amendment to the present vaccination law.

After discussing the old milk bill, which was defeated by the Senate two years ago, it was agreed to present it again.

At 2.30 o'clock the Board took a recess for one hour.

At 3.30 o'clock the members were all present, Dr. Cooper, the president, in the chair.

After discussing various matters, orders were directed to be drawn for the expenses of this meeting, amounting to \$23.55. On motion adjourned.

EDMUND B. FRAZER, Secretary.

A special meeting of the Board of Health of the State of Delaware was held in Dover, March 28th, 1895, by order of the president.

Members present, Dr. E. W. Cooper, president : Drs. Lewis, Mustard, Ellegood, Skinner, Lowber and Vallandigham.

At 11 o'clock Dr. Cooper, president, called the Board to order.

After discussing the several bills prepared by the Board, on motion of Dr. Lewis that all legislative business be referred to Dr. Cooper, with power to act. Carried.

On motion of Dr. Lewis, the secretary was authorized to notify the Governor, Joshua T. Marvil, that the terms of Dr. Skinner of New Castle County, Dr. B. L. Lewis of Kent County and Dr. Mustard of Sussex County, expired March 28th, 1895. With consent the motion was withdrawn.

The Board at 12.30 o'clock P. M. took a recess till 1.30 o'clock P. M.

At 1.30 o'clock P. M. the president, Dr. Cooper, called the Board to order, all present except Dr. B. L. Lewis.

The President, Dr. Cooper, reported that he had prepared a milk bill and other bills, and he presented the same to the Legislature and had looked after said bills from time to time. Whereupon, on motion of Dr. Vallandigham, the president, Dr. E. W. Cooper, was allowed twenty-five dollars for his services including his expenses for this meeting.

Drs. Vallandigham, Cooper and Ellegood were appointed a committee to notify the Secretary of State, Hon. N. B. Smithers, that the terms of Drs. Skinner, Lewis and Mustard expired as members of the Board March 28th, 1895.

Orders were directed to be drawn for the expenses of this meeting : amount \$43.75. On motion adjourned.

EDMUND B. FRAZER, Secretary.

WILMINGTON, DEL., May 28, 1895.

A stated meeting of the Board of Health of the State of Delaware, was held on the above date in the Clayton House,

Members present, Dr. E. W. Cooper, president, and Drs. Lowber, Pierson, Vallandigham, Clifton, Ellegood and Fowler.

Dr. Cooper, president, called the Board to order at 11.30 o'clock A. M.

The minutes of the last stated and special meetings were read and approved.

The committee on Circular No. 5 to prepare additional matter to the circular were discharged. Dr. E. W. Cooper, Dr. B. Lewis, committee.

The secretary reported that he had had that portion of Circular No. 1 selected by the Board published in the newspapers throughout the State as requested by the Board.

Your secretary received a complaint December 4th, 1894. The complaint set forth the unsanitary condition of a large room in the Institute Building, corner Eighth and Market streets, in the City of Wilmington, used as a public school. December 5th, 1894, Dr. Lowber and your secretary visited the building and inspected the said room. We found poor ventilation, and poor light. This large room was divided up into several rooms by a partition 8 feet high. The height to the ceiling was 20 feet. Several hundred children attended this school. It was used while a new building was being erected.

At the instance of Dr. Lowber your secretary drew the attention of Charles Baird, president of the Board of Public Education, to the condition of this school room. The matter was fixed up at once by the Board of Education.

The Legislative Committee reported that their several bills formulated by the Board, and presented to the Legislature by Dr. E. W. Cooper, who was after March 28th authorized to take charge of all bills that were presented and might be presented, with power to act. The committee were discharged. The bills were all defeated. Committee, Drs. Ellegood, Cooper and Lowber.

The committee appointed to examine the Eighth Biennial Report of the secretary reported that they had attended to that duty and approved the report. Your secretary further reports that the report was expressed to the Hon. Robert J. Reynolds, Governor of Delaware, at Dover, December 27th, 1894.

The members, Drs. Vallandigham and Skinner, who were designated by the Board to attend the National Conference of the State Board of Health, held in Washington, D. C., December 12th, 1894, made no report. Dr. Skinner only attended, and his term as a member of this Board expired March 28th, 1895.

The committee of one, Dr. Vallandigham, appointed to prepare a paper on "Anti-Toxine and other Serum," made a brief statement, saying, that he had a report under way, and as there was a diversity of opinion among physicians as to the use of the serum and its effectiveness, he asked to be continued; on motion of Dr. Ellegood his request was granted.

Your secretary begs leave to report that he addressed a letter to each Speaker of the General Assembly together with a copy of the resolution adopted at a special meeting of the Board held February 7th, 1895. Subject, "Bills introduced in the General Assembly Pertaining to the Health of our People." Letters mailed February 8th, 1895.

Your secretary begs leave to report that the bill regulating the burial and disinterment of persons who may have died with some infectious or contagious disease had become a law; your secretary suggests that 500 copies be printed for distribution. On motion of Dr. Ellegood the request was granted. It has since become known that the bill was lost, and if passed it was not published by secretary.

The secretary read an invitation from the American Public Health Association, asking our Board to attend their meeting in Denver, Colorado, to be held October 1st and continued to the 4th, 1895. On motion of Dr. Vallandigham the secretary was

instructed to reply and state that in the opinion of this Board the distance was too great even to send a delegate, but that we would be pleased to receive all the published reports.

The secretary read a number of important letters from other State Boards of Health, and a few from institutions and private citizens asking for copies of our reports, and also asking questions in regard to the burial of the dead in our State ; also the rules governing our Board, and the amount of our appropriation per annum. Letters filed.

At 1 o'clock P. M., on motion of Dr. Vallandigham the Board took a recess for one hour for dinner.

At 2.30 o'clock P. M., the president, Dr. Cooper, called the Board to order ; members all present.

INSPECTIONS BY YOUR SECRETARY DURING THE PAST SIX MONTHS.

April 10th, Frank A. Mitchell of Wilmington, complained of stench from the slaughter house and fat rendering plant of William Frederick, residing near Price's Corner, about four miles from Wilmington. Your secretary inspected the place on the above date : the waste was dumped in a pound adjoining the slaughter house. This waste was spread upon the land and caused a vile odor to arise. Mr. Frederick was not at home. Mailed him a copy of the law.

Same date visited Newport : found nothing to complain of. The general health of the people was good.

Same date inspected New Castle jail, it was being cleansed and whitewashed. Innates, 150 : white, 75 : negroes, 75. Eight females : 4 white, 4 negro. No sickness except four cases of syphilis. Dr. John J. Black is the jail physician.

CITY OF NEW CASTLE.

Same date inspected this city. In Shawtown a few ditches and drains were foul and needed to be opened up. The city

proper was in good sanitary condition and the people free from sickness.

DELAWARE CITY.

April 23, the town was clean: streets well-drained. Dr. Dunlap said the general health of the people was good. Dr. T. T. Vail, veterinarian, said that cattle and horses were free from disease. George B. Money is Mayor: he was not at home: mailed to him a copy of our health laws and circulars.

LEIPSIC, KENT COUNTY.

Dr. W. L. Vaughan, physician to the local Board of Health in Leipsic, reported that during the year ending March 1st, 1895, four deaths occurred in the town. The prevailing diseases in the county were La Grippe, Dysentery, Bronchitis and Tonsilitis. The sanitary condition was fair. Population, 325; all white.

NEWARK.

May 3, 1895. Here your secretary found an active Board of Health. Wilbur Wilson is secretary and Dr. H. G. M. Kollock, president. The sanitary condition was fair. The general health of the people is good. Professor Penny of Delaware College analyzed the milk sold in the town and pronounced it pure. The town is free from the odor of pig pens and garbage. Dr. C. Henry said there was but little sickness among the people.

GEORGETOWN.

May 9, 1895. There is a Board of Health here: quite a number of backyards and alleys needed to be cleaned up. Dr. Waples and Dr. Richards said that the general health of the people was good.

SUSSEX COUNTY JAIL.

Here were found seven prisoners, one white and six negroes. No sickness; jail clean.

SUSSEX COUNTY ALMSHOUSE.

In this institution there were 56 inmates; 50 adults; 23 white and 27 negroes; 6 negro children who have no sense. Three of them do not talk, but are very destructive; so much so that they are confined in a yard. The buildings are frame; there is one building for the negroes and one for the whites, and a cook house and wash house, all clean. The 365-acre farm is very productive, and the institution is self-sustaining. No sickness. Dr. Joseph Waples, physician; W. H. Hickman, superintendent.

EDGE MOOR.

May 17th, 1895. This village is near the City of Wilmington, on the Delaware river. All the houses and land is owned by the Edge Moor Iron Company, who keep it in good sanitary condition, a man being employed to cause all refuse to be removed and keep the alleys, streets and gutters clean. No sickness here.

DELAWARE STATE HOSPITAL AT FARNHURST.

This institution is under excellent management, and is well located upon high and dry land: the drinking water is excellent. The hospital is kept in the best possible condition, free from disagreeable odor; good ventilation and good light. The building was crowded; many beds were placed upon the floor. There were 232 inmates in the hospital. It will be enlarged this year.

NEW CASTLE COUNTY ALMSHOUSE.

This building was found in first-class condition, under Mr. David McCoy, as superintendent. He reported 175 inmates; no zymotic diseases exist in the building. Drs. Walker and Hughes are the physicians. The almshouse is within 75 yards of the Delaware State Hospital.

HOME FOR FRIENDLESS CHILDREN.

May 17th your secretary inspected this home, now within the limits of the City of Wilmington. There were 68 children here; 33 boys and 35 girls; a few were under 1 year of age; one death occurred during the year. Not a death before for three years. The building is surrounded by a large yard or grounds. The location is excellent; good water is supplied. The inside of the home is well arranged with modern improvements, and the rooms and hallways present an inviting appearance. Nine females manage the home, and the Board of Trustees are well pleased with the management. About 75 yards from the home in the rear, are two outhouses: one for the boys and one for the girls, used during play hours: they were both foul and the wells nearly full. Matron Mrs. Crouch's attention was drawn to this subject. The health of the children was good. Dr. E. T. Nengendank, physician.

Rising Sun, on the Brandywine Creek, was visited by your secretary May 24th. The city limits have been extended to this point. Your secretary found the sanitary condition fair and the general health of the people good. The Brandywine Creek is patrolled by two officers employed by the Water Department, I believe. The general health of the people in the City of Wilmington is not as good as it was for the same period last year. The general health of the people throughout the State is very good. Small pox prevails to some extent in twenty-three States; Wisconsin leads with 568 cases and 173 deaths. The reports were ordered to be filed.

SOUTHERN CATTLE SHIPPED INTO DELAWARE FOR SLAUGHTER.

Your secretary begs leave to report that on May 16th, 1895, he received the following dispatch :

Two car loads Southern cattle shipped to-day via Pennsylvania Railroad Company to Wilmington, Del., for Henry Oliver; one car W. D. Wilkins and one car J. Sawdon, Jr.; both will probably go to Wilmington Abattoir.

[Signed.]

H. A. HENDRICK,

U. S. Inspector, Baltimore.

Your secretary kept a copy of the dispatch and handed the original to the Board of Health here.

May 25th, 1895, received the following letter :

U. S. DEPARTMENT OF AGRICULTURE, }
BUREAU OF ANIMAL INDUSTRY. }

BALTIMORE, MD., May 25, 1895.

Secretary State Board of Health, Wilmington, Del.

SIR: I have to advise you that two car loads Southern cattle will be shipped from Baltimore this afternoon via Pennsylvania Railroad Company to Wilmington, Del., consigned to the following persons: R. and D., 9069.24, cattle to Henry Oliver, and W. D., 9050.24, cattle to J. Sawdon, Jr.; local destination is probably Wilmington Abattoir.

[Signed.]

H. A. HENDRICK, Inspector.

Same day gave the original letter to George Abele, Inspector of Meat in Wilmington, Del. Kept a copy.

Your secretary mailed the copy of the dispatch and a copy of the letter to William T. Watson, Governor of Delaware, re-

siding in Milford, Del. He appears to have sole control of such matters.

The secretary presented the bills receipted, which he was authorized to pay by the Board in November, 1894.

Your secretary begs leave to report that he received an invitation from Drs. McDowell and Glennan, the surgeons in charge at Reedy Island Disinfection Station, to visit the station and to invite the members of the State Board of Health. The invitation was accepted by the Board and agreed upon Friday, June 7th, to make the visit by way of Delaware City.

The secretary was authorized to subscribe for three copies of the "Sanitarian," one copy to each of the new members. He was also authorized to have eight tablets made for the use of the Board.

The secretary was instructed to ask Dr. C. P. Wertenbaker, surgeon at the Marine Hospital, Delaware Breakwater, near Lewes, Del., what time after June 20th it would be agreeable to him to entertain the members of the State Board of Health on a tour of inspection.

Dr. Cooper introduced the following preamble and resolution:

"WHEREAS, The epidemic of cholera still exists in Western Europe and will probably move in our direction on the advent of warm weather and threaten us during the coming season. Therefore be it

"Resolved, That the secretary of our Board is hereby instructed, that in all his inspections hereafter, within the jurisdiction of this Board, he shall report any and all uncleanness and other matters detrimental to the health of any community so inspected to the local Board of Health or Town Commissioners; and if said local Board of Health or Town Commissioners fail to remedy the same, he shall proceed himself to have the same im-

mediately attended to, so that our State may be as thoroughly protected as possible. PROVIDED, that before proceeding by law, he shall be accompanied in the inspection by a member of this Board."

On motion of Dr. Ellegood the preamble and resolution was adopted.

Dr. John W. Clifton and Dr. Frank F. Pierson were qualified by Justice Charles H. McWhorter, May 28th, 1895, as members of the Board of Health of the State of Delaware.

On motion of Dr. Ellegood, the Board proceeded to elect officers of the Board for the ensuing year. Same gentleman nominated Dr. E. W. Cooper for president. Dr. Ellegood was authorized to cast the vote of the Board. He cast the vote of the Board for Dr. E. W. Cooper for president and he was elected president for the ensuing year.

E. B. Frazer was nominated and elected secretary of the Board for the ensuing year by the same vote.

After drawing orders for the expenses of this meeting, amounting to \$364.48, on motion of Dr. Ellegood the Board adjourned.

EDMUND B. FRAZER, Secretary.

DELAWARE CITY, June 7, 1895.

A special meeting of the Board of Health of the State of Delaware was held in Delaware City, at the Hotel Stout, on the above date by order of the president, Dr. E. W. Cooper.

Members present, Dr. E. W. Cooper, president; Drs. Lowber, Pierson, Vallandigham, Clifton, Ellegood and Fowler.

The president, Dr. Cooper, called the Board to order at 10.45 o'clock A. M.

The secretary read an invitation from C. Smart, M. D.,

secretary of the American Public Health Association, requesting our Board to attend a meeting of said association in the Academy of Medicine, in New York city, June 21 and 22, 1895.

On motion of Dr. Ellegood the secretary was instructed to reply to Dr. Smart, regretting our inability to attend, but requesting that our Board be furnished with copies of the published proceedings.

The secretary read a letter from Dr. C. P. Wertenbaker, surgeon in command of the Marine Hospital at Lewis, in reply to your secretary's of May 29th, on the anticipated visit of the Board to the hospital. Dr. Wertenbaker extended a cordial invitation to our Board to visit the hospital, and requested a few days' notice beforehand.

On motion of Dr. Vallandigham the secretary notified Dr. Wertenbaker, that we would visit him on Thursday, June 27th, to leave Wilmington, June 26th. Also to invite Dr. David L. Mustard to accompany us from Lewis to the Hospital.

The secretary read a letter received from the United States Department of Agriculture, Bureau of Animal Industry, subject, "Southern Cattle Shipped to Wilmington for Slaughter," dated June 1st, 1895. The secretary was instructed to have published a brief of the letter and an explanation in one or more newspapers in this city.

At 11.30 o'clock A. M., the Board adjourned, and were escorted to Reedy Island's Disinfecting Station, guests of Dr. A. H. Glennan, surgeon and Dr. McDowell in charge. We boarded the Government steamer at 11.35 o'clock A. M., and we arrived at the station at noon. We were shown all the matters of interest in the several departments. We returned to Delaware City at 4 o'clock P. M., well pleased with our visit. Adjourned.

EDMUND B. FRAZER, Secretary.

LEWES, DEL., June 27, 1895.

A special meeting of the Board of Health of the State of Delaware was held in Hotel Rodney, by agreement made at a special meeting held in Delaware City, June 7, 1895.

Dr. E. W. Cooper, president, called the Board to order at 8 o'clock A. M.

Members present, Dr. E. W. Cooper, president; Drs. Lowber, Pierson, Clifton, Ellegood and Fowler.

The secretary read several letters from State Boards of Health. They were ordered to be filed. No other business was presented and at 9 o'clock A. M. the Board adjourned.

EDMUND B. FRAZER, Secretary.

After adjournment we were taken to the hospital in two double carriages, the distance being about one mile and three-quarters, across a barren sandy made land. We arrived at the hospital in a short time and were received by Dr. Wertenbaker, who gave us a cordial welcome. We were escorted through the various buildings and departments, and the system or mode of operation was explained by Dr. Wertenbaker. After lunch we were taken out in the bay some six miles; we boarded two large vessels displaying a yellow flag. This signal was for the doctor to come aboard and examine the crews. We witnessed the examination on both vessels. They were given a clean bill of health and proceeded to Philadelphia. Dr. Wertenbaker landed us in Lewes in time to board the 3.07 o'clock P. M. train for our homes. This was not only a very delightful visit but a very instructive one. Total expenses, \$18.25.

EDMUND B. FRAZER, Secretary.

WILMINGTON, DEL., November 26, 1895.

A stated meeting of the Board of Health of the State of Delaware was held in Wilmington, at the Clayton House, on the above date.

Members present, Dr. E. W. Cooper, president; Drs. Ellegood, Lowber, Pierson, Vallandigham, Clifton and Fowler.

Dr. Cooper, president, called the Board to order at 11.30 o'clock A. M.

The minutes of the last stated and special meetings were read and approved.

The committee on Anti-Toxine and other serum was continued; Dr. Vallandigham, committee.

The Committee on Accounts reported that they examined the bills presented to them and found them to be correct.

At 1.30 o'clock the Board took a recess for dinner for one hour.

At 2.30 o'clock, Dr. Cooper, president, called the Board to order; members all present.

On motion of Dr. Vallandigham a committee of three be appointed to inspect the county jail at New Castle, and to report at the next meeting. The president appointed the following gentlemen: Drs. Alexander Lowber and Pierson and Secretary Frazer.

On motion of Dr. Vallandigham the following gentlemen were appointed a committee to formulate resolutions on the recent visits of the Board to Reedy Island and the Marine Hospital at the Delaware Breakwater: Drs. Ellegood, Clifton and Lowber.

On motion of Dr. Ellegood the Board adjourned at 3.30 o'clock P. M., to meet in Wilmington on Tuesday, December

17th, at 10.30 o'clock A. M., at the Clayton House, to finish up the business of this meeting and to receive and act upon any new business that may be presented. Expenses, \$448.62. Adjourned.

EDMUND B. FRAZER, Secretary.

WILMINGTON, DEL., December 17, 1895.

An adjourned stated meeting of the Board of Health of the State of Delaware, was held in Wilmington on the above date in the Clayton House. Members present, Drs. Lowber, Pierson, Vallandigham and Ellegood.

On motion of Dr. Lowber, Dr. Ellegood was called to the chair at 11 o'clock A. M. The president, Dr. Cooper, being absent.

UNFINISHED BUSINESS.

Dr. Vallandigham, a special committee to report on the effectiveness of Anti-Toxine and other serum, made a partial verbal report: his views were endorsed by the board. Continued.

The secretary read his report of complaints received, and inspections made of the following towns during the past six months as follows: Lewes, Laurel, Seaford, Harrington, Georgetown, Smyrna, Little Creek, Leipsic, Dover, Delaware City and New Castle.

SUSSEX COUNTY ALMSHOUSE.

Here your secretary found 43 inmates well fed and clothed. No sickness. The sanitary condition was good, and the institution is self-sustaining from the products of the farm of 365 acres. H. W. Hickman is the superintendent and Dr. Joseph B. Waples the attending physician.

KENT COUNTY JAIL IN DOVER.

The sanitary condition of the jail was good.

NEW CASTLE COUNTY JAIL IN NEW CASTLE.

Your secretary inspected the jail November 19th. There were 115 prisoners confined therein; all in good health and well cared for. Forty-six prisoners had been removed to Wilmington for trial, the Court being in session. The sanitary condition of the jail was very good.

The public schools in New Castle were visited and found to be in fair condition. There were no shades or blinds to any of the windows, and this was annoying to both teachers and pupils. Your secretary drew attention of this defect to two members of the School Board, who promised to remedy the defects.

NEW CASTLE COUNTY ALMSHOUSE.

Your secretary found this institution to be in excellent sanitary condition. There were two hundred inmates; no sickness of a zymotic type. David McCoy, superintendent.

June 27th, 1895, your secretary caused the arrest of an undertaker in Milford for refusing to comply with the law. He was tried before a Justice of the Peace and fined \$10 and costs in two cases. He paid and was discharged.

Your secretary regrets to report that the Town Commissioners of Laurel, Seaford and Harrington appointed Boards of Health according to law and the persons appointed refused to organize.

In nearly all the towns in our State the people are more or less annoyed by noisome pig pens during the Summer and Fall months, and those annoyed refuse to enter complaint to legal authorities and cause the law to be enforced, but complain to the State Board of Health.

Your secretary is pleased to report that during the past year very few complaints were received against those who operate the tomato and other canneries in the State of Delaware.

The public schools visited by your secretary during the past six months were in a flourishing condition, and whatever defects were found, or drawn to my attention, were promptly laid before the proper authorities.

The Delaware State Hospital at Farnhurst was visited by your secretary and was in excellent sanitary condition as usual. Dr. William H. Hanker is the medical superintendent. At this date, November 19th, 1895, the hospital was crowded and arrangements were being made to enlarge it at once at a cost of \$30,000.

Your secretary received in October, 1895, 209 copies of the eighth biennial report of the Board of Health of the State of Delaware, printed by the "Index," in Dover. Copies were mailed to our local Boards of Health and all State Boards of Health in the United States, Canada, Mexico, South America, London, England; Berlin, Germany, and to various institutions here and elsewhere by request. Also to the members of this Board and officers in the State of Delaware.

On motion of Dr. Vallandigham the reports were accepted and ordered to be filed.

At 1 o'clock P. M., on motion of Dr. Lowber, the Board took a recess for one hour for dinner.

At 2.30 o'clock P. M. the chair called the Board to order with the same members present.

The secretary presented and read written reports from physicians in thirty-eight towns and localities throughout the State.

A number of questions printed on paper, to be filled up and returned to your secretary, and a stamped envelope was furnished by the Board for the return of the paper after the questions had been answered. Five physicians failed to report; the paper was ordered to be filed.

The information sought is as follows:

OFFICE OF STATE BOARD OF HEALTH.

WILMINGTON, DEL.,.....189

To.....

.....

Please fill in the following blanks and return to E. B. Frazer,
Secretary State Board of Health, Wilmington, Delaware.

Have you a Board of Health in your town?

If you have a Board of Health please give the name of the Presi-
dent, Secretary and members.

.....

.....

.....

.....

How often do you meet?

If no Board of Health, please name the Town Commissioners.

.....

.....

Please give the name or names of the undertakers in your town.

.....

Is vaccination attended to?

Is your drinking water good, fair or bad?

Please give the names of the physicians in your town, and the

school of medicine they practice.....

.....

.....

Are hogs allowed to be raised or kept in your town?.....

Is there a colored school in your town?

SPECIAL DISEASES.

(STATE NUMBER OF CASES AND DEATHS FOR PAST YEAR.)

Consumption, cases.....: deaths.....

Typhoid fever, cases.....; deaths.....

Diphtheria, cases.....; deaths.....

Scarlet fever, cases; deaths.....

Other fevers.....

.....

Is the sanitary condition of your town and vicinity good, fair or
bad?

These blanks will be addressed to all the Boards of Health,
Town Commissioners and physicians in the State. We desire to
be informed of the condition of our local Boards of Health, and
the health of our people. Please aid us in this work and oblige.

Please give your name and profession, or official position.

Sign here

REPORT OF THE COMMITTEE APPOINTED TO INSPECT THE COUNTY JAIL IN THE CITY OF NEW CASTLE.

WILMINGTON, DEL., December 16, 1895.

To the President and members of the Board of Health of the State of Delaware:

GENTLEMEN :—Your committee appointed to inspect the county jail in the City of New Castle have the honor to report as follows:

We visited the City of New Castle on the third day of December, 1895, and we inspected the jail in every nook and corner. We are pleased to say that the place was unusually clean, and the one hundred and forty persons confined therein were in good health. The sanitary condition throughout the building was good. We found nothing to complain of.

Respectfully submitted,

DR. ALEX. LOWBER,

DR. F. F. PIERSON,

E. B. FRAZER, Sec.,

Committee.

On motion of Dr. Vallandigham the report was accepted and ordered to be filed.

The committee on the visit to Reedy Island and the Marine Hospital, at the Delaware Breakwater, asked to be continued; granted. Committee, Drs. Robert G. Ellegood, John W. Clifton and Alexander Lowber.

On motion of Dr. Vallandigham a special committee of three be appointed to examine the registration records of vital statistics in the Recorder's office in the city of Wilmington, and also the records of vital statistics in the office of the local Board of

Health in the City of Wilmington, and to report at the next meeting.

The Chair appointed the following gentlemen : Drs. Lowber and Pierson and Secretary Frazer.

The secretary read a letter from B. M. Griffith, M. D., secretary of the National Confederation, Springfield, Ill., requesting that the members of our Board be enrolled as members of the National Confederation, Medical Examining and Licensing Boards; fee, \$1.00.

On motion of Dr. Vallandigham the secretary was authorized to forward \$1.00 to Dr. Griffith, secretary.

Various letters were read by the secretary from other State Boards of Health. Ordered to be filed.

The secretary presented a list of undertakers in the State of Delaware, their names and address. There were fifty-one (51) undertakers; the list was furnished by Mr. Chandler, secretary of the Undertakers Association of Wilmington, Del. Expenses of this meeting, \$21.97. On motion of Dr. Vallandigham the Board adjourned.

EDMUND B. FRAZER, Secretary.

STATED MEETING.

WILMINGTON, DEL., May 26, 1896.

A stated meeting of the Board of Health of the State of Delaware was held in the Clayton House, on May 26th, 1896.

The following members were present. Dr. E. W. Cooper, president: Drs. Lowber, Pierson, Ellegood and Fowler.

At 11.30 o'clock A. M., Dr. Cooper, president, called the Board to order.

The secretary read the minutes of the last stated, special and adjourned meetings, which were approved.

The Committee on Accounts examined the bills presented and reported them to be correct, and on motion of Dr. Ellegood an order was directed to be drawn in favor of E. B. Frazer, secretary, for fifty-nine dollars and fifty-two cents, this being the amount paid for stationery, &c., and the secretary's expenses for six months. Committee, Robert G. Ellegood.

The special committee on Anti-Toxine and other serum, its usefulness, &c., was continued, the committee being absent—Dr. Irving S. Vallandigham.

The special committee to prepare resolutions on our recent visit to Reedy Island and the Marine Hospital, at Lewes, was continued. Committee. Drs. Ellegood, Clifton and Lowber.

Report of the special committee appointed to examine the registration books of vital statistics in the office of Recorder of Deeds for New Castle County, and in the Health Department of the City of Wilmington, reported as follows:

WILMINGTON, DEL., January 27, 1896.

To the President and members of the State Board of Health of Delaware.

GENTLEMEN:—We, your committee, appointed at the last meeting to examine the books of registration of vital statistics in the county and the City of Wilmington, beg leave to report that we performed that duty, and we are pleased to say that the said books are kept in accordance with the law regulating the said registration. We beg leave to further report that in the county records of births and deaths, there is no space ruled off for the entry of the persons who may have given a certificate of a birth or death.

Very Respectfully Submitted,

[Signed.]

DR. ALEX. LOWBER,

DR. F. F. PIERSON,

E. B. FRAZER, Sec.,

Committee.

On motion of Dr. Ellegood the report was accepted and filed, and on his further motion the latter part of the report be referred to a committee on legislation to be appointed by the Chair at the next or some future meeting.

DIPHTHERIA IN MILTON AND VICINITY.

Your secretary received information December 21st, 1895, that diphtheria prevailed to some extent in the town of Milton. Population about 1,500 inhabitants.

Same date your secretary wrote to Dr. R. B. Hopkins, a member of the local Board of Health of Milton: mailed to him circulars on diphtheria for distribution and advised that the public schools be closed and that public funerals of those who die from diphtheria be stopped. Requested Dr. Hopkins to reply and to give particulars of the extent of the disease, and laid the subject before Dr. E. W. Cooper, president of the State Board of Health, for instruction.

Dr. R. B. Hopkins replied December 23, 1895, and said the public schools were closed, and no new cases had been found for some days, and that patients were isolated as far as possible and every precaution had been taken. He believes they have succeeded in staying its spread. Mailed a copy of the letter to Dr. Cooper, president, January 11th.

Your secretary received a petition signed by thirty-nine citizens of Milton asking for advice and assistance in getting rid of diphtheria in their town. Laid the subject before Dr. Cooper, president, and replied to a signer of the petition.

Same date wrote Dr. Hopkins again requesting him to state briefly the condition of affairs as they exist at the present date.

January 14th, 1896, Dr. Cooper, president, notified your secretary to visit Milton at once and to investigate and report. Also on the same date a letter was received from Dr. Hopkins in which he stated: "At this date seven cases in town, but our

people will not obey the rules of the Board of Health. We have done all that could be done under the circumstances."

January 15th, 1896, your secretary arrived in Milton and called upon Dr. R. B. Hopkins and Dr. Robert H. T. Wilson, also A. M. Bennett. These gentlemen compose the local Board of Health. Drs. Hopkins and Wilson and your secretary visited the houses where diphtheria prevailed, and a number of other houses where the patients were convalescing, but quarantined. There were three families and seven patients under treatment; one patient was a young married woman; these houses were also quarantined. The premises where the disease prevailed were in good sanitary condition, being well drained and free from dampness and filth of any kind. Indeed, the sanitary condition of the town was first-class. The houses, bedding and furniture in the houses where death had occurred had been fumigated by the physicians, members of the Board of Health. The Board of Health caused notices to be posted in prominent places in the town, warning those in houses where the diseases prevailed not to come upon the streets nor mingle with the people under penalty.

The Town Commissioners held a meeting January 14th, 1896, and resolved to sustain the local Board of Health in their efforts in getting rid of diphtheria. Food was furnished those quarantined by the Town Commissioners at the expense of the corporation.

History, and the origination of diphtheria in Milton, as reported to your secretary by Drs. Hopkins, Wilson and Dr. James A. Hopkins of Milton: Some time in July, about the 4th, a child from Milton visited Philadelphia and returned about the 9th. On the 11th of July this child was stricken with diphtheria, and from July 11, 1895, to January 15, 1896, there were fifty cases of diphtheria in Milton and vicinity; quite a number of cases were several miles from the town in the country. Forty-one

were white and 9 negroes: 28 males and 22 females. Deaths, 4 white males and 3 white females: total white deaths, 7; 2 negroes died: 1 male and 1 female: total deaths, 9; or 18 per cent. The Board of Health acted promptly and wisely, and they deserve the thanks of their fellow townsmen. The report of the secretary was ordered to be filed.

Your secretary received a complaint March 30th, 1896, as follows: The tenant on a farm at Wrangle Hill moved to Brandywine Hundred, distance about 17 miles: said tenant left 8 or 10 dead half-grown hogs unburied on the farm and the carcasses were becoming noisome. Notified the tenant to bury the hogs at once or a warrant would be taken for him. Notified by the owner of the farm that the hogs were buried.

SCARLET FEVER NEAR SMYRNA.

January 20th, 1896, your secretary was informed by L. M. Price, secretary of the Board of Health of Smyrna, that there were two cases of scarlet fever near Smyrna. He asked: Are physicians required by law to report cases of zymotic or infectious diseases. Your secretary replied that we have no law upon the subject outside of the City of Wilmington. Your secretary advised quarantine of houses, isolation of patients and fumigation of houses, clothing, bedding and furniture after convalescence or death; and requested that the Board of Health take charge of the case for us and keep an account of the expenses.

Also advised that they by resolution adopt stringent rules by authority of Sections 12 and 3 of Chapter 345, Laws of Delaware, requiring physicians to report certain contagious and infectious diseases. Mailed a copy of the letter to Dr. Cooper, president. These cases were at Smyrna Landing.

May 11th, 1896, your secretary received another letter from Secretary Price in which he reports that the patient, a young married woman residing at the Landing, was dead. Her age was 20 years. She was buried and the house, &c., was fumigated;

and further, that the deceased contracted the disease from Thoroughfare Neck, near Walker's school house, distance about four miles from Smyrna. Also, it was reported that there were a number of cases of scarlet fever near Walker's school house.

He requested that an investigation be made by the State Board of Health.

Your secretary notified Secretary Price that the subject had been presented to Dr. Cooper, president, for advice and instructions.

May 13th, 1896, Dr. Cooper, president, instructed your secretary to proceed to Smyrna, investigate and report.

May 14th your secretary wired Secretary Price that he would be in Smyrna on the first train from here, leaving at 8.13 o'clock A. M. Upon my arrival Secretary Price was at the depot, and we at once called upon several physicians, but they were out of town. In the afternoon your secretary hired a team and drove out to Walker's school house, a distance of four miles from Smyrna. At the school house the teacher, Miss Addie Deakyne, was interviewed. There were twenty-five pupils in attendance. Miss Deakyne said there was but one case of scarlet fever in the vicinity, some three miles from the school house, but there had been several mild cases and that pupils were not allowed to attend the school from families where scarlet fever existed till after convalescence, fumigation, and all precautions were taken; left circulars with the teacher for distribution (subject Scarlet Fever).

In the evening Drs. Ashcraft and Clifton were interviewed. They knew of no cases of scarlet fever in the town or country, and that the general health of the people was good. The town of Smyrna was found to be in good sanitary condition. Returned home early the next day.

January 21st, 1896, your secretary received a complaint from Dover, on the unsanitary condition of the Ridgely property,

a quarter of a mile from Dover. It was supposed that the well water was bad, and the impure water had caused three deaths within three months at the house on the Ridgely property. The subject was referred to Dr. Cooper, president, and after correspondence with the local Board of Health in Dover, it was found that the said deaths were not caused by any zymotic disease or unsanitary condition of the premises.

January 24th, 1896, your secretary received a complaint from the Riverview Cemetery Company, on the drainage of water from the roof of the station house of the Wilmington City Railway Company at this point, water flowing from the roof of said station house during every rain storm on to the grounds and walk of the cemetery, and also into the privy well, causing it to overflow. The complainant stated that complaint had been made to the City Board of Health several times, but they failed to comprehend the situation, hence no action was taken.

Your secretary laid the subject before Preston Lea, president of the said railway company, who replied as follows:

WILMINGTON, DEL., January 25, 1896.

E. B. Frazer, Secretary of the State Board of Health.

DEAR SIR :—I am in receipt of yours of the 24th inst., and in reply would say that we will have our station at Riverview attended to at once, so that there will be no inconvenience from rain water. After which we would be pleased to have your local Board examine the premises and advise us what further will be required.

Yours very truly,

[Signed.]

PRESTON LEA, President.

The nuisance was promptly abated.

EDMUND B. FRAZER, Secretary.

Your secretary received the following letter:

WILMINGTON, DEL., January 29, 1896.

E. B. Frazer, Esq., Secretary State Board of Health.

DEAR SIR:—At a meeting of the Board of Health, held last evening, I was instructed to call the attention of the State Board of Health to numerous complaints that had been made from citizens of New Castle, Newport and surrounding country in reference to fumes and odors, as well as contamination of water in the Christiana, caused by the Liebig Manufacturing Company, located near this city.

Yours very respectfully,

W. C. R. COLQUHOUN, Secretary.

As no complaints had been made to your secretary no attention was paid to the letter.

EDMUND B. FRAZER, Secretary.

DIPHTHERIA IN A FAMILY NEAR BRIDGEVILLE.

Your secretary received the following dispatch, dated at Bridgeville, February 27th, 1896:

To E. B. Frazer, Secretary State Board of Health:

Several cases, malignant type, diphtheria reported near us. Can you come here at once, investigate and help organize to prevent spreading? Wire answer.

[Signed.]

THOMAS J. GRAY,

Secretary Town Commissioners.

Same date wired Mr. Gray; referred to Dr. Cooper, president; asked for instructions; mailed circulars on diphtheria to Mr. Gray; replied February 28th, 1896, at Bridgeville, 3 deaths in one family; others expected to die; did not hear from Dr. Cooper.

Same date mailed the dispatch to Dr. Cooper, president. March 5th, 1896, Dr. Cooper, president, wired your secretary to go to Bridgeville at once; will meet you at Wyoming in the morning. Received the dispatch at 5.50 o'clock, P. M.; proceeded to Bridgeville the next day, March 6th, on the 8.13 o'clock train; met Dr. Cooper, president, at Wyoming upon the arrival of the train. Upon my arrival at Bridgeville I met Thomas J. Gray, Esq., and Mr. Vivin, Town Commissioners. We called upon Drs. Sudler and Palmer, the only physicians here. The physicians stated that a family named Brown residing about two miles from this town, had malignant diphtheria, and there were seven children, ages from $1\frac{1}{2}$ years to 20 years. They each had visited the family once, and said it was too late to try Anti-Toxine; they refused to attend again because their other patients objected to their visiting Brown's family then coming into their houses. The Town Commissioners endeavored to organize a Board of Health and said that neither of these physicians would serve. The Commissioners employed Dr. Meredith of Smithville, Md., to attend Brown's family at the expense of the town. While here another child died, making five deaths; only two living, the youngest, and the oldest, a young man of 20 years. The Commissioners kept Brown's house quarantined and furnished the family with food. I returned the same day.

April 7th, 1896, Edgar L. Kinder, Clerk of School District No. 73, notified your secretary that the Brown children were all dead and buried (7 children); he said the people here raised about one hundred dollars and erected a small, comfortable house about 75 yards in the rear of the house in which Brown resided, and furnished it with furniture and food, also clothing for Brown and his wife. After all was in readiness, Brown refused to move. Mr. Kinder said the people in the vicinity of Brown's house were alarmed and wanted the house cleaned or burned down. The subject was promptly laid before Dr. Cooper, president, April 8th; the president wired me to meet him in Camden. Thursday,

April 9th; your secretary proceeded at once to Dover, and the next day drove over to Camden early in the morning, and met the president at his home. After discussing the subject we agreed that it would be best for us to both visit Bridgeville and see for ourselves the situation. We left Wyoming on the next train. Upon our arrival in Bridgeville we met Mr. Gray. We called upon Drs. Sudler and Palmer and stated the object of our visit, which was to induce Brown to move, then have the house well cleaned and fumigated. It was said that Brown showed a disposition to be ugly, thereupon, your secretary appeared before Justice J. P. Willis and took a warrant for Brown if he refused to comply with a reasonable request and for his own good. The warrant was placed in the hands of Constable C. Legates. After dinner the Constable procured a horse and carriage and we drove over to the house of Mr. Kinder, who resided about one mile beyond Brown's house. We found Mr. Kinder, a Mr. Campbell, and one or two other neighbors of Brown. These persons walked across the fields, but would not go within fifty yards of the house. When we arrived the Constable, Dr. Cooper and myself found Brown ploughing near his house; we alighted and I went to Brown; he stopped and I greeted him pleasantly and expressed sorrow for him and his wife in their great trouble and loss. Dr. Cooper then approached us and was introduced. We desired to go into the house. Brown made no objections and led the way. We were near the house at this time; we found lime spread plentifully around the house and under it; there was no cellar.

Upon entering the house we were introduced to Mrs. Brown, a small woman, about 40 years old; Brown was 65 years old, tall and thin. There was nothing in the room but an old bedstead and a very poor mattress upon it, with some some covering; fire in a fireplace. These poor, simple-minded people told us that they had destroyed all their own clothing and bedding and that of their children, and all the clothing they had were upon their backs. We were shown into a room adjoining the

main room, first floor. "Here," said they, "is where the children all died." The first one was buried by an undertaker, the other six were all buried by their father, and no one to assist him but his wife, mother of the children. The six were buried not a half mile from the house, near a woods. We found the house in fair condition. It had been scrubbed, whitewashed and fumigated by Brown and his wife; there was a small kitchen with nothing in it but a small stove; the house was about 24 x 18, one story, and in a fair state of preservation. Brown rented the place; had two horses, a cow, pig, and a few chickens. We requested Brown to move into the new house for 60 days and leave all in this house except the stove and chairs; he readily consented. Constable C. Legates was employed to scrub and whitewash and fumigate the house after Brown moved out. The work to be done under the direction of Dr. Palmer.

We beg leave to say that we succeeded in allaying the fears of the people in the neighborhood, and every suggestion we made was agreed to. We had no use for the warrant and returned the same day. Constable C. Legates' bill, \$15.00, was paid by the State Board of Health.

April 14th, 1896, your secretary received a dispatch, the following is a copy :

PHILADELPHIA, April 10, 1896:

Secretary State Board of Health, Wilmington, Del.

One steerage passenger from Steamship Illinois leaves here to-day for New Castle. There was one case of varioloid on this vessel.

[Signed.]

GEORGE PURWANCE,

Surgeon Marine Hospital.

April 11th the dispatch was mailed to M. Morrison, President City Council, New Castle, Delaware. While I was in New

Castle, June 27th. Mr. Morrison said he did not receive the dispatch for a week. Report filed.

NEW CASTLE JAIL INSPECTION.

April 23d, 1896, some days prior to this date, a reporter of the Philadelphia "Press" visited New Castle jail, and after looking around the place he came to the opinion that its sanitary condition was bad, and he thus published the emanations of a befuddled brain.

Your secretary inspected the jail at New Castle, April 23, 1896. There were confined 159 prisoners: 105 whites and 54 negroes: 4 white females and 4 negro females; of this number there were 15 railroad tramps, trespassers. They are given two meals per day of bread, meat and coffee, and soup every other day. Good water is supplied from a pump in the yard: the well is 60 feet deep. The cells, cellars and all other parts of the jail were clean: no disagreeable odor was noticed in the building. I am pleased to report that I found the jail in first-class sanitary condition and the inmates all in good health.

Respectfully submitted,

EDMUND B. FRAZER, Secretary.

At 1 o'clock P. M. the Board took a recess for dinner.

At 2 o'clock P. M. the president, Dr. Cooper, called the Board to order, with the same members present.

NEW CASTLE COUNTY'S ALMSHOUSE.

April 23d, 1896, your secretary visited and inspected the almshouse. There were 225 inmates, no sickness, and the building was clean throughout. Several years ago your secretary suggested to the trustees of the almshouse that if the floors were filled with a filling made for that purpose, then oiled and varnished, there would be no dampness created by continual scrubbing, and much would be added to the comfort of all con-

cerned; besides the constant use of water on the floors rots them. I am pleased to report that this improvement has been commenced and will be continued, no doubt, till all the floors in the building are thus treated. The improvement is very perceptible. David McCoy is the superintendent.

DELAWARE STATE HOSPITAL AT FARNHURST.

Same date your secretary visited the hospital. The building, as usual, was very clean throughout. There were 256 inmates, and the building is crowded. The annex is progressing slowly toward completion. This institution is a credit to the State. Dr. William H. Hanker is Medical Superintendent.

April 27th, 1896, your secretary received a dispatch from New Castle, as follows:

Call Mayor Boyd by telephone No. 1, New Castle; important.

[Signed]

EVAN G. BOYD.

Mayor Boyd was called; he said: "Come over this evening and meet City Council."

Your secretary procured a conveyance and proceeded to New Castle in the evening of the same day. Upon my arrival I was met by Mayor Boyd and one City Councilman. We were driven in the conveyance to Dobbinsville, a suburb of New Castle; here we examined the alleys or driveways between thirty houses, occupied by Scandinavians, who worked for Tasker in their iron pipe mill. The drainage from these houses and the outhouses created an abominable nuisance. The outhouses were full and banked up with dirt, and the alley was the receptacle for filth, urine and kitchen slops; very noisome; little or no fall here and the drainage bad. We returned to New Castle and entered the Council Chamber. President Morrison called the Council to order and the subject of drainage was discussed by the members but no conclusion was reached.

Your secretary was requested to give his opinion of the subject: Drainage of Dobbinsville. He read Section 1 of Chapter 345, Laws of Delaware, which says: "It shall be the duty of the Common Council of every city, and the Commissioners of every incorporated town in this State, in which there is not now a Board of Health duly organized, to appoint, one in each year, a Board of Health for such city or town, to consist of not less than three nor more than seven persons, of whom at least one shall be a physician duly authorized to practice medicine; and in case there be a port physician already appointed by the Governor, he shall be a member of the Board *EX OFFICIO*."

The members of Council were surprised at the reading of the law: did not know of such a law. They said they would endeavor to have a Board of Health appointed. At this date, December 9th, 1896, they have not made a move towards complying with the Act of Assembly, but are trudging along in the old ruts, acting under their city charter, which enables them to appoint a health committee. No wonder they have bad water to drink and no system of drainage. Returned same evening.

May 25th, 1896, your secretary received a complaint from Delaware City stating that there were thousands of dead fish (herring) in the Delaware and Chesapeake Canal, and that the stench was so great that windows and doors had to be closed to keep out the stench. Your secretary was asked to make an investigation. The subject was drawn to the attention of J. Thomas Price, collector of the said canal company, residing in Delaware City. There is no Board of Health there. Mr. Price notified your secretary that he would employ all the means at his command to abate the nuisance. When the locks are opened to allow a vessel to pass in or out, these fish come in by the tens of thousands and many are killed by the boats. In early Spring they sell for \$1 per hundred, and by the middle of May bring only twenty-five cents per hundred. The nuisance was abated

in a day or two, the dead fish being floated out with the receding tides in the Delaware River.

The secretary read numerous letters from other State Boards of Health, and, from reports received, smallpox exists in the United States to some extent in 23 States. Also the general health in one hundred cities and towns in the United States; death rate low. Also from reports showing the extent of cholera in Europe, Japan and China. Report filed.

Dr. E. W. Cooper, president, stated to the Board that on January 29th, 1896, he had authorized your secretary to order from H. K. Mulford Company of Philadelphia, one Anti-Toxine syringe and 10 C. C. of Serum to each member of the State Board of Health, for the benefit of any of the poor patients who may be attacked with diphtheria in the neighborhood, and thus give the serum a fair trial in our State; also the secretary was requested to ask each member of the Board to report the results of any use they may make of it at the next meeting of the Board. Order through Burton, of that firm, as I wrote you some days ago, at least 25 per cent. discount.

Your secretary begs leave to report that he carried out the order of the president.

The cost was \$26.06 and was paid for out of the Board's appropriation.

Receipt of H. K. Mulford Company filed. There was no special report made by any member; no occasion to use it.

ELECTION OF OFFICERS.

On motion of Dr. Ellegood the Board proceeded to elect officers of the Board for the ensuing year, and on motion of same gentleman, Dr. Fowler was authorized to cast the vote of the Board. The vote was cast for Dr. E. W. Cooper for president of the Board for the ensuing year.

On motion of Dr. Lowber, Dr. Fowler was authorized to cast the vote of the Board for E. B. Frazer as secretary. He did so and E. B. Frazer was elected secretary of the Board for the ensuing year.

On motion, that when the Board adjourns it be to meet in Seaford, on Thursday, June 18th next, at 10.30 o'clock A. M., to finish up the unfinished business of this meeting.

On motion of Dr. Ellegood the Board adjourned. Expenses of this meeting \$426.63.

EDMUND B. FRAZER, Secretary.

SEAFORD, June 25, 1896.

An adjourned stated meeting of the Board of Health of the State of Delaware, was held in Seaford, June 25th, 1896.

Members present, Dr. E. W. Cooper, president; Drs. Ellegood, Fowler, Clifton, Vollandigham and Lowber.

The president, Dr. E. W. Cooper, called the Board to order at 11.30 o'clock A. M.

The secretary read a bill from Constable C. Legates, of Bridgeville, for scrubbing, whitewashing and fumigating the house of William Brown by direction of this Board: amount of the bill, \$15.00. Brown lost all of his children (7) by diphtheria.

On motion of Dr. Vollandigham an order was directed to be drawn in favor of E. B. Frazer, secretary, to pay Legates. Carried.

Dr. Vollandigham introduced the following resolution which was adopted:

"Resolved. That the president of this Board be and is hereby instructed to make application, on behalf of the State Board of Health, to the proper officials of the Pennsylvania

Railroad Company for passes over their lines for the use of the members of this Board, as is the case with other State officials."

On motion the Board adjourned.

EDMUND B. FRAZER, Secretary.

During the two years ending November 24, 1896, the Board held five stated meetings, and eight adjourned stated and special meetings.

The library of the Board is increasing. There is now over two hundred volumes bound in cloth, and some three hundred volumes bound with paper backs, including pamphlets, all from other State Boards of Health. The State makes no provision for an office for the Secretary.

WATER SUPPLY IN DELAWARE.

CHAPTER 405, VOL. 12, LAWS OF DELAWARE.

An Act to Define and Prevent Certain Nuisances.

“SECTION 1. That hereafter no person or persons shall cast, put, place, discharge in or permit or suffer to be cast, put, placed or discharged in, or to escape into any running stream of water within the limits of this State, from which stream the inhabitants of any borough, town or city within this State are supplied wholly or in part with water for and as a drink or beverage, any dyestuffs, drugs, chemicals or matter of any kind whatsoever and by any means whereof the said water so supplied as and for a drink or a beverage as aforesaid, shall be made and become noxious to the health or disagreeable to the sense of smell or taste.

“SEC. 2. Every person offending against the provisions of the preceding section of this Act shall be deemed guilty of committing a common nuisance, and upon conviction thereof, by indictment in the Court of General Sessions of the Peace and Jail Delivery, shall be fined from \$1,000 to \$5,000 at the discretion of the Court, and in addition to the fine aforesaid the Court shall issue an order for the abatement of the nuisance within twenty days after the verdict of the jury upon the indictment aforesaid, and the sheriff of either of the counties of the State in which said conviction shall take place shall under the order aforesaid, unless the said nuisance shall, before the expiration of the time allowed for the abatement of the said nuisance have been abated, have

full power to abate the same, and to this end shall enter on the premises from which the said nuisance proceeded, and arrest, stop, and put an end to the business from carrying on of which or in the process of which the said nuisance was created or carried on, or premises from which the said nuisance proceeded and issued.

“SEC. 3. That no person hereafter shall put or place or permit to be put, placed or used, any privy, hog pen or slaughter house over or so near that the excrement or offal therefrom shall escape or run into any running stream of water within the limits of this State from which the inhabitants of any town, borough or city within the limits aforesaid are wholly or in part furnished with water as a drink or beverage, and anyone offending against the provisions of this Section shall be deemed guilty of committing a common nuisance and upon conviction thereof in the Court aforesaid shall be fined the sum of \$100, and the Court shall order the nuisance abated immediately.”

Passed at Dover, February 4th, 1864.

TREATMENT OF THE DROWNED.

THE TWO THINGS TO BE DONE: RESTORE BREATHING; RESTORE
ANIMAL HEAT.

Rule 1. Loosen all neck and waist-bands, quickly—by unbuttoning or cutting them.

Rule 2.—Turn the patient on the face, with the head down hill, if possible.

Rule 3.—Stand astride the hips with your face towards his head, and locking your fingers together under his belly; raise the



body as high as you can without lifting the forehead from the ground, and give the body a smart jerk to remove mucus from the throat, and water from the wind-pipe; holding the body

long enough to count slowly, one-two-three-four-five, repeating the jerk gently two or three times.

Rule 4.—Next, with patient and operator in same position, grasp the clothing at the points of the shoulders, or if the body



is naked, thrust your fingers into the armpits, clasping the thumbs over the points of the shoulders, and raise the chest as high as you can, without lifting the forehead from the ground, and hold it long enough to slowly count one-two-three.

Rule 5.—Replace the patient on ground, with his forehead resting on his arm, or on anything to support it from the ground; straighten out the neck, and free the mouth and nose; then place your elbows against your knees, and your hands upon the sides of his chest over the lower ribs, and press downward and inward with increasing force, long enough to count slowly one, two. Then suddenly let go, grasp the shoulders as before, and raise the chest: then press upon the ribs as before; again raise the chest and repeat these alternate movements in the same

order ten or fifteen times a minute for an hour at least; unless breathing is restored sooner.



Rule 6.—After breathing has commenced (or before if convenient), cover the body with warm blankets—TO RESTORE THE ANIMAL HEAT—also, use bottles of hot water or hot bricks to the extremities. Warm the head nearly as fast as the body, lest convulsions come on. Rubbing and slapping the fleshy parts assist in restoring heat.

Rule 7.—When the patient can readily swallow, give sparingly hot coffee, tea, milk, or a little spirits and water. If the power of swallowing return very slowly, two tablespoonsful of spirits in two or three tablespoonsful of warm water may be injected into the bowels and held there by pressure.

Rule 8.—As soon as strength will permit, place the patient in a warm bed, give plenty of fresh air and keep him quiet. In all the treatment keep away the crowd.

If the above means fail galvanism may be tried by currents passed through the diaphragm, or lower part of the chest.

Beware of losing a moment of time. Cover the lower half of the body; and apply heat, if you can, by assistants; but don't stop to remove clothing or to take the body away from the shore.

If the patient can be brought to gasp, or breathe, there is hope. This is the great point to be obtained.

Don't turn the patient on his back unless there is some one to hold forward the tongue, as strangulation may be caused by the tongue falling into the throat.

Don't be discouraged too soon. Well authenticated cases are on record of persons who have been under water for an hour or more, having been restored; and persons have recovered after the continuance of efforts for resuscitation for two hours. Doubtless many persons have been allowed to die for want of proper or long continued efforts for their recovery; the attendants becoming fatigued or discouraged after a trial of fifteen or twenty minutes.

In suffocation by smoke or any poisonous gas, or by hanging, proceed the same as for drowning; omitting the effort to expel water, etc., from the windpipe.

In suspended breathing from effects of chloroform, hydrate of chloral, etc., proceed as in Rule 3, taking pains to keep the head low, and the tongue drawn forward.

These rules are purposely drawn up in a plain manner, and embody what is believed to be the best means known for the resuscitation of the drowned. They can be carried out by one person, if help cannot be had by calling; but no delay should take place before help comes. No attempt is made to explain the physiology of the processes here recommended; they are believed to be founded on sound principles and conformable to physiological laws.

They are taken chiefly from the report of the State Board of Health of Michigan, for 1874.

The plates which accompany this paper, which were obtained through the kindness of Dr. Henry B. Baker, Secretary of the State Board of Health of Michigan, were not intended to ornament it, but to impress more forcibly upon the reader the positions to be assumed by the operator in the successive stages of the process of resuscitation.

L. P. BUSH, M. D.

FINANCIAL STATEMENT.

| | |
|----------|--|
| 1894. | |
| Nov. 27. | Stated meeting, expenses of members,.....\$ 23 45 |
| | E. B. Frazer, Sec'y, allowance 6 months.... 300 00 |
| | E. B. Frazer, Sec'y, expenses for 6 months: |
| June 10. | Expressage, car fare, &c..... 75 |
| | Expressage to Georgetown..... 6 25 |
| July 27. | “ New Castle and Delaware City 3 20 |
| Aug. 23. | “ Dover, Camden, Rising Sun, 5 75 |
| Oct. 19. | “ Christiana..... 90 |
| 26. | “ Milton 8 50 |
| Nov. 27. | Postage, \$4.50; dinner, 50c..... 5 00 |
| | E. B. Frazer, Sec'y, to pay bills, viz: |
| | Every Evening Printing Co..... 10 35 |
| | Star Publishing Co..... 8 42 |
| | Republican Co..... 7 25 |
| | A. N. Bell, 8 sub. “Sanitarian”..... 28 00 |
| | Henry B. Baker, Sec. Asst. S. B. H..... 10 00 |
| | Harry W. Lowe, carriage hire 18 00 |
| | Dr. E. W. Cooper, inspecting canneries..... 5 00 |
| Dec. 18. | Meeting, Committees, Publication and Re- |
| | vision: |
| | Dr. E. W. Cooper, expenses..... 4 50 |
| | Dr. W. T. Skinner, Washington, D. C., and |
| | expenses..... 16 65 |
| | E. B. Frazer, Sec'y, dinner, 50c.; P. O. |
| | stamps, \$1.00..... 1 50 |
| <hr/> | |
| | Carried forward.....\$ 463 47 |

| | | |
|-----------|---|-----------|
| | Brought forward..... | \$ 463 47 |
| 1895. | | |
| Feb. 7. | Special meeting in Dover: | |
| | Expenses of members..... | 20 55 |
| | Star Pub. Co., stamped envelopes, etc..... | 14 54 |
| | E. B. Frazer, Sec'y, dinner..... | 50 |
| March 7. | Special meeting in Dover, expenses of members..... | 21 05 |
| | E. B. Frazer, Sec'y, meeting in Dover, expenses..... | 2 50 |
| 19. | Harry Emmons, attorney, preparing a bill | 10 00 |
| | E. B. Frazer, Sec'y, to Dover, three times... | 8 44 |
| 28. | Special meeting in Dover, expenses of members, etc..... | 41 25 |
| | E. B. Frazer, Sec'y, special meeting expenses | 2 50 |
| May 28. | Stated meeting in Wilmington: | |
| | Expenses of the members, inspections, &c. | 38 12 |
| | E. B. Frazer, Sec'y, allowance 6 months.... | 300 00 |
| | E. B. Frazer, expenses 6 months: | |
| | P. O. stamps, \$3.75; expressage, &c..... | 4 75 |
| April 10. | Newport, 25c.; care fare, &c..... | 50 |
| 23. | Delaware City, \$2.25; Newark, \$1.40..... | 3 65 |
| May 3. | Georgetown and Dover..... | 8 78 |
| 16. | Telegraphing, 48c.; ink, &c., 25c..... | 73 |
| 23. | Ream of paper, 75c.; expenses Edge Moor and hospital..... | 1 65 |
| 24. | Rising Sun..... | 80 |
| | Harry W. Lowe. carriage hire, dinner..... | 5 50 |
| June 27. | Dr. E. Fowler, Reedy Island..... | 5 50 |
| | Meeting at Lewes, expenses..... | 13 75 |
| | Meeting at Lewes, Dr. R. G. Ellegood, expenses..... | 4 50 |
| Sept. 23. | Star Publishing Co., letter heads 8 tablets | 5 45 |
| | Total | \$978 48 |

| | | |
|---------------------------------|-----------|-----------|
| Unexpended Nov. 27th, 1894..... | \$ 606 69 | |
| Appropriation, 1895..... | 1000 00 | |
| | <hr/> | \$1606 69 |
| Expenses to Nov. 26, 1895..... | 978 48 | |
| | <hr/> | |
| Due Board Nov. 1, 1895..... | \$ 628 21 | |

FINANCIAL STATEMENT TO NOVEMBER 24. 1896.

1895.

| | | | |
|----------|--|----------|----------|
| Nov. 26. | Stated meeting; expenses of members..... | \$ 36 97 | |
| | E. B. Frazer, Sec'y, allowance 6 months..... | 300 00 | |
| | E. B. Frazer, Sec'y, expenses bottle gum..... | 5 | |
| | Expressage, 25c.; car fare, 10c.; Dela- ware City, 90c..... | 1 25 | |
| | Expenses to Milford..... | 4 75 | |
| | Expressage, 50c., street car fare, 20c.: | 70 | |
| Oct. 2. | Expenses to Dover, Leipsic and Little Creek..... | 4 85 | |
| | Expenses to Delaware City inspection | 1 45 | |
| Oct. 7. | Expressage Reports to Members..... | 1 05 | |
| Oct. 13. | 250 large envelopes..... | 1 00 | |
| Oct. 16. | Expenses to Laurel, Seaford and Smyrna, Georgetown and Har- rington..... | 14 72 | |
| | Cord, 5c.; expressage, 25c.; bottle gum 5c.; pens, &c., 70c..... | 1 05 | |
| Nov. 4. | P. O. stamps for Reports..... | 15 40 | |
| Nov. 26. | H. W. Lowe, carriage hire..... | 3 00 | |
| | Visit to Almshouse..... | 1 00 | |
| | | <hr/> | |
| | Carried forward..... | \$50 27 | \$336 97 |

| | | | |
|----------|--|----------|----------|
| | Brought forward..... | \$50 27 | \$336 97 |
| Nov. 26. | Star Publishing Co. envelopes &c..... | 6 25 | |
| | Porter & Co., stationery for members, minute book..... | 20 50 | |
| | One year's sub. to "Sanitarian," 8 copies | 28 00 | |
| | Three subscriptions, 6 months, new members..... | 6 13 | |
| | Secretary's dinner..... | 50 | |
| Dec. 17. | Adjourned stated meeting Clayton House, expenses of members | 20 47 | |
| | E. B. Frazer, Sec'y, dinner, 50c.; Griffith, Ill..... | 1 50 | |
| | To pay Mulford & Co., Philadelphia..... | 26 06 | |
| | ————— | \$ | 159 68 |
| 1896. | | | |
| May 26. | Stated meeting: expenses of members..... | \$ 41 05 | |
| | E. B. Frazer, Sec'y, allowance 6 months.... | 300 00 | |
| | E. B. Frazer, expenses to Dover..... | 2 50 | |
| | To Milton by request..... | 6 85 | |
| | To Bridgeville, 84; expressage, 89c.... | 4 89 | |
| | Dr. Cooper, President and Secretary to Bridgeville..... | 9 09 | |
| | New Castle, 75c.; expressage, \$1.37... | 2 12 | |
| | Visit to Smyrna | 5 50 | |
| | P. O. stamps and stationery, members | 9 45 | |
| | P. O. stamps and stationery, members | 11 25 | |
| | H. W. Lowe, carriage hire, dinner... | 6 50 | |
| | ————— | \$ | 58 15 |
| June 25. | Adjourned meeting at Seaford. | | |
| | Expenses of the members..... | 72 94 | |
| | E. B. Frazer, Sec'y, expenses..... | 15 00 | |
| | “ to pay Constable Legates.... | 15 00 | |
| | Carried forward..... | \$102 94 | \$897 85 |

| | | |
|---------------------------------------|------------|------------|
| Brought forward..... | \$102 94 | \$897 85 |
| E. B. Frazer, O. D. Probst, Secretary | | |
| Board of Health, dues.... | 10 00 | |
| " Porter & Co., tablets and | | |
| order book..... | 9 25 | |
| E. Moore, P. M., 500 stamped envol- | | |
| opes..... | 21 05 | |
| Add for error in Mulford's bill..... | 2 12 | |
| | — | \$ 145 36 |
| | | <hr/> |
| Total..... | \$ 1041 21 | |
| Balance of appropriation 1895..... | \$ 628 21 | |
| Appropriation 1896..... | 1000 00 | |
| | — | \$ 1628 21 |
| Expenses to date..... | | 1041 21 |
| | | <hr/> |
| Due Board November 24, 1896..... | \$ | 587 00 |

BOARDS OF HEALTH IN THE STATE OF DELAWARE.

NEW CASTLE COUNTY.

ESTIMATED POPULATION.

Wilmington, 67,000—Five members two physicians (the port physician, *ex officio*), a plumber and a business man; appointed annually by the mayor of the city at the first stated meeting in May. The Chief Engineer of the Surveying Department of the city shall be *ex officio* a member of the Board of Health, without salary as such. The Board shall appoint its own president and treasurer from among its own members. The secretary of the Board is also registrar of marriages, births and deaths; he is elected by the Board in May annually; he is not a member of the Board; he receives a salary of eleven hundred dollars per annum and some perquisites. The members of the Board receive as salary per annum each \$100. [Abstract from City Ordinance.]

New Castle, 4,000—Although the Act of Assembly requires the Common Council of every city in which there is not a Board of Health, duly organized, to appoint one each year. They have not done so and refuse to obey the law. They have a committee on health of two or three, appointed by Council. The commissioners of all incorporated towns are required to appoint annually a Board of Health, to consist of three, five or seven members; one must be a physician; also, if there is a port physician, he is a member *ex officio*.

Newark, 1500—Has an active Board of Health,

Christiana, 300—Has no town government.

Stanton, 279—Has no town government.

Newport, 711—Has town commissioners. No Board of Health.

St. Georges, 325—Has a Board of Health. Not very active.

Delaware City, 969—Has no Board of Health. The appointee won't serve.

Henry Clay (factory town), 829—No Board of Health.

Marshallton, 419—No Board of Health.

Hockessin, 300—No Board of Health.

Port Penn, 300—No Board of Health.

Middletown, 1500—Has an active Board of Health.

Odessa, 640—Has an active Board of Health.

Townsend, 400—Has an active Board of Health.

KENT COUNTY.

Clayton, 500—Has an active Board of Health.

Smyrna, 3000—Has an active Board of Health.

Kenton, 241—Has no Board of Health.

Leipsic, 355—Has an active Board of Health.

Little Creek, 285—Has no Board of Health.

Dover, 3500—Has an active Board of Health.

Camden, 550—Has an active Board of Health.

Felton, 475—Has no Board of Health.

Frederica, 621—Has no Board of Health.

Magnolia, 216—Has no Board of Health.

Wyoming, 500—Has no Board of Health.

Farmington, 469—Has no Board of Health.

Harrington, 1000—Has a Board of Health. Not very active.

Milford, 1500—Has a Board of Health. Active.

SUSSEX COUNTY.

Seaford, 1500—Has a Board; but not very active.

Laurel, 2500—Has a Board; but not very active.

Lewes, 2300—Has a Board. Active.

Milton, 1500—Has a Board. Active.

Milford, 2000—Board active. Total population, 3500.

Georgetown, 1200—No Board of Health.

Bridgeville, 600—Board appointed, but neither of the physicians would serve.

Frankford, 519—No Board.

Bethel, 378—No Board.

Lincoln, 318—No Board.

Millsboro, 324—No Board.

Delmar, 400—No Board.

Concord, 300—No Board.

POPULATION CENSUS OF 1890.

The commissioners of the above towns make no appropriation to sustain Boards of Health.

A TABULATED REPORT OF

Marriages, Births and Deaths in the State of Delaware
for the Years Ending June 30th, 1895, and June
30th, 1896, Inclusive.

The inefficiency of our present Registration Laws will be fully shown in the tables here compiled from the records in the Recorders' offices in the several counties. So many cases of births are attended by neighbors and local unregistered midwives that never are recorded that the report of births is largely useless, and indicates a rapid depopulation of the counties of Kent and Sussex. The Board of Health has on several occasions called the attention to very desirable changes in these laws but without effect.

NEW CASTLE COUNTY.

FIRST QUARTER, ENDING SEPTEMBER 30, 1894.

Marriages, Births and Deaths.

| | |
|---------------------------------|----|
| Alcoholism | 0 |
| Croup | 1 |
| Carbuncle | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum | 31 |
| Cerebro Spinal Meningitis | 3 |
| Diarrhœa | 2 |
| Dysentery | 4 |
| Diphtheria..... | 1 |
| Erysipelas | 2 |

| | |
|-----------------------------|----|
| Intermittent Fever..... | 0 |
| Measles | 1 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism | 2 |
| Scarlet Fever..... | 1 |
| Small Pox | 0 |
| Syphilis (Congenital) | 1 |
| Syphilis | 2 |
| Septicæmia..... | 1 |
| Tonsilitis..... | 0 |
| Typhoid Fever | 19 |
| Whooping Cough..... | 16 |
| <hr/> | |
| Zymoties..... | 87 |
| | |
| Typho Malarial Fever..... | 2 |
| Typhoid Pneumonia..... | 2 |
| Cancer..... | 12 |
| Consumption..... | 43 |
| Meningitis | 13 |
| Marasmus..... | 25 |
| Inanition | 20 |
| Bright's Disease..... | 8 |
| Bronchitis | 3 |
| Heart Disease..... | 22 |
| Pneumonia | 8 |
| Accidents..... | 4 |
| Accidents on Railroads..... | 7 |
| Disease of the Brain..... | 19 |
| Disease of the Bowels..... | 33 |
| Convulsions..... | 13 |

| | |
|--------------------------|-----|
| Old Age | 10 |
| La Grippe | 1 |
| Drowned..... | 6 |
| Paralysis..... | 13 |
| Dropsy | 7 |
| Peritonitis | 3 |
| Congestion of Lungs..... | 3 |
| Child Birth..... | 1 |
| Accidental Poison | 1 |
| Killed by a Horse..... | 1 |
| Premature Birth..... | 8 |
| All other diseases..... | 32 |
| <hr/> | |
| Total..... | 407 |

DECEDENTS.

| | |
|--------------------------------|-----|
| White | 332 |
| Negro | 75 |
| <hr/> | |
| Total..... | 407 |
| | |
| Males | 203 |
| Females | 204 |
| <hr/> | |
| Total | 407 |
| | |
| Born in the United States..... | 350 |
| Foreign Born..... | 57 |
| <hr/> | |
| Total..... | 407 |

AGES OF THE DECEDENTS.

| | |
|-------------------------|-----|
| Under 1 year..... | 143 |
| From 1 to 5 years..... | 41 |
| From 5 to 10 years..... | 6 |

| | |
|---------------------------|-----|
| From 10 to 20 years..... | 24 |
| From 20 to 30 years..... | 34 |
| From 30 to 40 years..... | 33 |
| From 40 to 50 years..... | 20 |
| From 50 to 60 years..... | 30 |
| From 60 to 70 years..... | 34 |
| From 70 to 80 years..... | 26 |
| From 80 to 90 years..... | 7 |
| From 90 to 100 years..... | 2 |
| Unknown..... | 7 |
| Total..... | 407 |

BIRTHS.

| | |
|---------------|-----|
| White..... | 464 |
| Negro..... | 38 |
| Total..... | 502 |
| Males | 224 |
| Females | 278 |
| Total..... | 502 |

MARRIAGES.

| | |
|----------------------------------|-----|
| White..... | 114 |
| Negro | 14 |
| Total..... | 128 |
| Still Born..... | 20 |
| Brought here for interment | 34 |

EDMUND B. FRAZER, Secretary.

NEW CASTLE COUNTY.

SECOND QUARTER ENDING DECEMBER 31, 1894.

Marriages, Births and Deaths.

| | |
|---------------------------------|----|
| Alcoholism | 0 |
| Croup, | 11 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 7 |
| Cerebro Spinal Meningitis | 2 |
| Diarrhoea | 0 |
| Dysentery | 3 |
| Diphtheria..... | 5 |
| Erysipelas | 1 |
| Intermittent Fever | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 2 |
| Remittent Fever..... | 1 |
| Rheumatism..... | 1 |
| Scarlet Fever..... | 2 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 1 |
| Syphilis..... | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 16 |
| Whooping Cough | 9 |
| Zymoties | 61 |

| | |
|-----------------------------|-----|
| Typhoid Pneumonia..... | 1 |
| Typhoid Malaria..... | 2 |
| Cancer..... | 11 |
| Consumption..... | 34 |
| Meningitis..... | 7 |
| Marasmus..... | 11 |
| Inanition..... | 12 |
| Bright's Disease..... | 7 |
| Bronchitis..... | 6 |
| Heart Disease..... | 36 |
| Pneumonia..... | 34 |
| Accidents..... | 1 |
| Accidents on Railroads..... | 5 |
| Disease of the Brain..... | 22 |
| Disease of the Bowels..... | 14 |
| Dropsy..... | 9 |
| General Debility..... | 5 |
| Old Age..... | 20 |
| Paralysis..... | 14 |
| Convulsions..... | 12 |
| Congestion of Lungs..... | 5 |
| Tetanus..... | 1 |
| Burned..... | 2 |
| Suicide..... | 2 |
| Peritonitis..... | 1 |
| Drowned..... | 5 |
| Gun Shot Wound..... | 1 |
| Scrofula..... | 1 |
| Pericarditis..... | 1 |
| Gangrene..... | 1 |
| Premature Birth..... | 15 |
| All other diseases..... | 41 |
| Total..... | 400 |

DECEDENTS.

| | |
|--------------------------------|-----|
| White | 301 |
| Negro | 99 |
| Total | 400 |
| Males..... | 200 |
| Females | 200 |
| Total | 400 |
| Born in the United States..... | 336 |
| Foreign Born..... | 64 |
| Total..... | 400 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|----|
| Under 1 year..... | 97 |
| From 1 to 5 years..... | 41 |
| From 5 to 10 years. | 10 |
| From 10 to 20 years..... | 25 |
| From 20 to 30 years..... | 33 |
| From 30 to 40 years..... | 36 |
| From 40 to 50 years..... | 30 |
| From 50 to 60 years..... | 41 |
| From 60 to 70 years..... | 33 |
| From 70 to 80 years..... | 31 |
| From 80 to 90 years..... | 19 |
| From 90 to 100 years..... | 3 |
| From 100 to 108 years..... | 1 |

BIRTHS.

| | |
|-------------|-----|
| White | 406 |
| Negro | 26 |
| Total | 432 |

| | |
|---------------|-----|
| Males..... | 235 |
| Females | 197 |
| Total..... | 432 |

MARRIAGES.

| | |
|-------------|-----|
| White | 132 |
| Negro | 20 |
| Total | 152 |

| | |
|----------------------------------|----|
| Still Born..... | 18 |
| Brought here for interment | 12 |

EDMUND B. FRAZER, Secretary.

NEW CASTLE COUNTY.

THIRD QUARTER ENDING MARCH 31, 1895.

Marriages, Births and Deaths.

| | |
|---------------------------------|----|
| Alcoholism | 0 |
| Croup | 6 |
| Carbuncle | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum | 0 |
| Cerebro Spinal Meningitis | 0 |
| Diarrhœa | 2 |
| Dysentery | 2 |
| Diphtheria..... | 1 |
| Erysipelas | 2 |
| Intermittent Fever..... | 0 |
| Measles..... | 1 |
| Purpura..... | 0 |
| Puerperal Fever..... | 1 |
| Pyæmia..... | 2 |
| Remittent Fever..... | 0 |
| Rheumatism | 0 |
| Scarlet Fever..... | 1 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 1 |
| Syphilis..... | 0 |
| Septicæmia..... | 2 |
| Tonsilitis | 0 |
| Typhoid Fever..... | 8 |
| Whooping Cough..... | 1 |
| Zymotics..... | 30 |

| | |
|------------------------------|-----|
| Typhoid Pneumonia | 1 |
| Typho Pneumonia..... | 1 |
| Cancer..... | 10 |
| Consumption..... | 36 |
| Meningitis..... | 8 |
| Inanition | 8 |
| Marasmus..... | 5 |
| Bright's Disease..... | 12 |
| Bronchitis | 10 |
| Heart Disease..... | 30 |
| Pneumonia | 42 |
| Accidents..... | 3 |
| Accidents on Railroads..... | 5 |
| Disease of the Brain..... | 28 |
| Disease of the Bowels | 14 |
| Convulsions..... | 22 |
| Old Age | 13 |
| Drowned..... | 2 |
| General Debility..... | 6 |
| La Grippe | 10 |
| Paralysis..... | 8 |
| Suicide by Shooting | 2 |
| Peritonitis | 1 |
| Congestion of the Lungs..... | 4 |
| Burns..... | 1 |
| Gun Shot Wound | 1 |
| Premature Births..... | 7 |
| All other diseases..... | 40 |
| Total..... | 360 |

DECEDENTS.

| | |
|--------------|-----|
| White | 290 |
| Negro | 70 |
| Total..... | 360 |

| | |
|--------------------------------|-----|
| Males | 174 |
| Females | 186 |
| Total | 360 |
| Born in the United States..... | 300 |
| Foreign Born..... | 60 |
| Total | 360 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year..... | 76 |
| From 1 to 5 years..... | 36 |
| From 5 to 10 years..... | 10 |
| From 10 to 20 years..... | 17 |
| From 20 to 30 years..... | 25 |
| From 30 to 40 years..... | 31 |
| From 40 to 50 years..... | 24 |
| From 50 to 60 years..... | 36 |
| From 60 to 70 years..... | 41 |
| From 70 to 80 years..... | 45 |
| From 80 to 90 years..... | 17 |
| From 90 to 100 years..... | 2 |
| Total..... | 360 |

BIRTHS.

| | |
|---------------|-----|
| White..... | 287 |
| Negro..... | 36 |
| Total..... | 323 |
| Males | 166 |
| Females | 157 |
| Total..... | 323 |

MARRIAGES.

| | |
|-----------------------------------|-----|
| White..... | 124 |
| Negro..... | 23 |
| <hr/> | |
| Total..... | 147 |
| Still Born..... | 18 |
| Brought here for internment | 67 |

EDMUND B. FRAZER, Secretary

NEW CASTLE COUNTY,

FOURTH QUARTER ENDING JUNE 30, 1895.

Marriages, Births and Deaths.

| | |
|---------------------------------|----|
| Alcoholism | 0 |
| Croup, | 2 |
| Carbuncle | 0 |
| Cholera Morbus | 1 |
| Cholera Infantum | 17 |
| Cerebro Spinal Meningitis | 2 |
| Diarrhoea | 0 |
| Dysentery | 3 |
| Diphtheria..... | 1 |
| Erysipelas | 5 |
| Intermittent Fever | 0 |
| Measles..... | 4 |
| Purpura | 0 |
| Puerperal Fever..... | 2 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 2 |
| Scarlet Fever..... | 2 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia | 1 |
| Tonsillitis | 0 |
| Typhoid Fever | 7 |
| Whooping Cough | 1 |
| Zymotics | 50 |

| | |
|-----------------------------|-----|
| Typhoid Pneumonia..... | 3 |
| Cancer..... | 10 |
| Consumption..... | 50 |
| Meningitis..... | 11 |
| Marasmus..... | 9 |
| Inanition..... | 11 |
| Bright's Disease..... | 15 |
| Bronchitis..... | 8 |
| Heart Disease..... | 28 |
| Pneumonia..... | 30 |
| Accidents..... | 2 |
| Accidents on Railroads..... | 7 |
| Disease of the Brain..... | 34 |
| Disease of the Bowels..... | 15 |
| Old Age..... | 13 |
| Suicide..... | 5 |
| Convulsions..... | 7 |
| Drowned..... | 6 |
| Paralysis..... | 12 |
| General Debility..... | 6 |
| Peritonitis..... | 5 |
| Malarial Fever..... | 2 |
| La Grippe..... | 2 |
| Laryngitis (Acute)..... | 2 |
| Congestion of Lungs..... | 2 |
| Tetanus..... | 1 |
| Appendicitis..... | 1 |
| Premature Births..... | 12 |
| All other diseases..... | 41 |
| Total..... | 410 |

DECEDENTS.

| | |
|---------------------------------|-----|
| White | 334 |
| Negro | 76 |
| Total | 410 |
| Males | 202 |
| Females | 208 |
| Total | 410 |
| Born in the United States | 363 |
| Foreign Born | 47 |
| Total | 410 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|-----|
| Under 1 year | 82 |
| From 1 to 5 years | 47 |
| From 5 to 10 years | 6 |
| From 10 to 20 years | 23 |
| From 20 to 30 years | 41 |
| From 30 to 40 years | 36 |
| From 40 to 50 years | 32 |
| From 50 to 60 years | 38 |
| From 60 to 70 years | 36 |
| From 70 to 80 years | 42 |
| From 80 to 90 years | 15 |
| From 90 to 100 years | 3 |
| Unknown | 9 |
| Total | 410 |

BIRTHS.

| | |
|-------------|-----|
| White | 373 |
| Negro | 31 |
| Total | 404 |

| | |
|---------------|-----|
| Males..... | 221 |
| Females | 183 |
| <hr/> | |
| Total..... | 404 |

MARRIAGES.

| | |
|-------------|-----|
| White | 147 |
| Negro | 22 |
| <hr/> | |
| Total | 169 |

| | |
|----------------------------------|----|
| Still Born..... | 18 |
| Brought here for interment | 51 |

EDMUND B. FRAZER, Secretary.

RECAPITULATION

OF MARRIAGES, BIRTHS AND DEATHS IN NEW CASTLE COUNTY
FOR THE YEAR ENDING JUNE 30, 1895.

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | Tl |
|----------------------------|--------------|-------------|-------------|--------------|-----|
| Alcoholism..... | 0 | 0 | 0 | 0 | 0 |
| Croup..... | 1 | 11 | 6 | 2 | 20 |
| Carbuncle..... | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus..... | 0 | 0 | 0 | 1 | 1 |
| Cholera Infantum..... | 31 | 7 | 0 | 17 | 55 |
| Cerebro Spinal Meningitis | 3 | 2 | 0 | 2 | 7 |
| Diarrhoea..... | 2 | 0 | 2 | 0 | 4 |
| Dysentery..... | 4 | 3 | 2 | 3 | 12 |
| Diphtheria..... | 1 | 5 | 1 | 1 | 8 |
| Erysipelas..... | 2 | 1 | 2 | 5 | 10 |
| Intermittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Measles..... | 1 | 0 | 1 | 4 | 6 |
| Purpura..... | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever..... | 0 | 0 | 1 | 2 | 3 |
| Pyæmia..... | 0 | 2 | 2 | 0 | 4 |
| Remittent Fever..... | 0 | 1 | 0 | 0 | 1 |
| Rheumatism..... | 2 | 1 | 0 | 2 | 5 |
| Scarlet Fever..... | 1 | 2 | 1 | 2 | 6 |
| Small Pox..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital)..... | 1 | 1 | 1 | 0 | 3 |
| Syphilis..... | 2 | 0 | 0 | 0 | 2 |
| Septicæmia..... | 1 | 0 | 2 | 1 | 4 |
| Tonsilitis..... | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever..... | 19 | 16 | 8 | 7 | 50 |
| Whooping Cough..... | 16 | 9 | 1 | 1 | 27 |
| Zymoties..... | 87 | 61 | 30 | 50 | 228 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|-----------------------------|--------------|-------------|-------------|--------------|-----|
| Typhoid Pneumonia..... | 2 | 1 | 1 | 3 | 7 |
| Typho Malarial Fever..... | 2 | 2 | 1 | 0 | 5 |
| Cancer | 12 | 11 | 10 | 10 | 43 |
| Consumption..... | 43 | 34 | 36 | 50 | 163 |
| Meningitis | 13 | 7 | 8 | 11 | 39 |
| Marasmus..... | 25 | 11 | 5 | 9 | 50 |
| Inanition | 20 | 12 | 8 | 11 | 51 |
| Bright's Disease..... | 8 | 7 | 12 | 15 | 42 |
| Bronchitis..... | 3 | 6 | 10 | 8 | 27 |
| Heart Disease..... | 22 | 36 | 30 | 28 | 116 |
| Pneumonia..... | 8 | 34 | 42 | 30 | 114 |
| Accidents..... | 4 | 1 | 3 | 2 | 10 |
| Accidents on Railroads..... | 7 | 5 | 5 | 7 | 24 |
| Disease of the Brain..... | 19 | 22 | 28 | 34 | 103 |
| Disease of the Bowels..... | 33 | 14 | 14 | 15 | 76 |
| Convulsions..... | 13 | 12 | 22 | 17 | 64 |
| Old Age | 10 | 20 | 13 | 13 | 56 |
| La Grippe..... | 1 | 0 | 10 | 2 | 13 |
| Drowned..... | 6 | 5 | 2 | 6 | 19 |
| Paralysis..... | 13 | 14 | 8 | 12 | 47 |
| Dropsy | 7 | 9 | 0 | 0 | 16 |
| Peritonitis | 3 | 1 | 1 | 5 | 10 |
| Congestion of Lungs | 3 | 5 | 4 | 2 | 14 |
| Child Birth..... | 1 | 0 | 0 | 0 | 1 |
| Accidental Poison..... | 1 | 0 | 0 | 0 | 1 |
| Killed by a Horse..... | 1 | 0 | 0 | 0 | 1 |
| Premature Births..... | 8 | 15 | 7 | 12 | 42 |
| All other diseases..... | 32 | 41 | 40 | 41 | 154 |
| Total..... | 407 | | | | |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|----------------------------|--------------|-------------|-------------|--------------|------|
| General Debility..... | | 5 | 6 | 6 | 17 |
| Tetanus..... | | 1 | 0 | 1 | 2 |
| Burned..... | | 2 | 1 | 0 | 3 |
| Suicide..... | | 1 | 2 | 5 | 8 |
| Gun Shot Wound..... | | 1 | 1 | 0 | 2 |
| Total..... | | | 360 | | |
| Scrofula..... | | 1 | | 0 | 1 |
| Pericarditis..... | | 1 | | 0 | 1 |
| Gangrene..... | | 1 | | 0 | 1 |
| Total..... | | 400 | | | |
| Malarial Fever..... | | | | 2 | 2 |
| Laryngitis, acute..... | | | | 2 | 2 |
| Appendicitis..... | | | | 1 | 1 |
| Total..... | | | | 410 | 1577 |
| First Quarter Deaths..... | | | | | 407 |
| Second Quarter Deaths..... | | | | | 400 |
| Third Quarter Deaths..... | | | | | 360 |
| Fourth Quarter Deaths..... | | | | | 410 |
| Total Deaths..... | | | | | 1577 |

TOTAL DEATHS IN NEW CASTLE COUNTY FOR THE YEAR ENDING
JUNE 30, 1895.

| | | | |
|----------------------|------|----------------|-------|
| First Quarter..... | 407 | Zymotics | 87 |
| Second Quarter..... | 400 | Zymotics..... | 61 |
| Third Quarter..... | 360 | Zymotics..... | 30 |
| Fourth Quarter | 410 | Zymotics | 50 |
| | | | <hr/> |
| Total..... | 1577 | | 228 |
| Zymotics..... | 228 | | |
| | | | <hr/> |

All other diseases.... 1349

| | Deaths. | Zymotics. |
|----------------------------|---------|-----------|
| As compared with 1891..... | 1448 | 256 |
| As compared with 1892..... | 1950 | 389 |
| As compared with 1893..... | 1716 | 293 |
| As compared with 1894..... | 1700 | 293 |

DECEDENTS.

| | |
|--------------------------------|-------|
| White..... | 1257 |
| Negro..... | 320 |
| | <hr/> |
| Total..... | 1577 |
| | |
| Males..... | 779 |
| Females..... | 798 |
| | <hr/> |
| Total..... | 1577 |
| | |
| Born in the United States..... | 1349 |
| Foreign Born..... | 228 |
| | <hr/> |
| Total..... | 1577 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|------------|
| Under one year..... | 398 |
| From 1 to 5 years..... | 165 |
| From 5 to 10 years..... | 32 |
| From 10 to 20 years..... | 89 |
| From 20 to 30 years..... | 133 |
| From 30 to 40 years..... | 136 |
| From 40 to 50 years..... | 106 |
| From 50 to 60 years..... | 145 |
| From 60 to 70 years..... | 144 |
| From 70 to 80 years..... | 144 |
| From 80 to 90 years..... | 58 |
| From 90 to 100 years..... | 10 |
| Age not stated..... | 17 |
| Total..... | <hr/> 1577 |

BIRTHS FOR SAME PERIOD.

| | |
|--------------|------------|
| White..... | 1530 |
| Negro..... | 131 |
| Total..... | <hr/> 1661 |
| Males..... | 846 |
| Females..... | 815 |
| Total..... | <hr/> 1661 |

MARRIAGES.

| | |
|------------|-----------|
| White..... | 517 |
| Negro..... | 79 |
| Total..... | <hr/> 596 |

| | |
|----------------------------------|-------|
| Still Births..... | 74 |
| Brought here for Interment | 164 |
| Total Births in 1895..... | 1661 |
| Total Deaths in 1895..... | 1577 |
| | <hr/> |
| | 84 |

The births exceed the deaths by 84.

Population of New Castle county, census of 1890, 97,182.
The annual death rate in the 1000 inhabitants is 16.22. Per-
centage of deaths from zymotic diseases, 14.45 per cent.

EDMUND B. FRAZER, Secretary.

KENT COUNTY.

FIRST QUARTER ENDING SEPTEMBER 30, 1894.

Marriages, Births and Deaths.

| | |
|---------------------------------|----|
| Alcoholism | 0 |
| Croup | 0 |
| Carbuncle | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum | 6 |
| Cerebro Spinal Meningitis | 1 |
| Diarrhœa | 1 |
| Dysentery | 2 |
| Diphtheria..... | 0 |
| Erysipelas | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 1 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 2 |
| Whooping Cough..... | 6 |
| Zymotics | 19 |

| | |
|-----------------------------|-----|
| Typhoid Malaria..... | 4 |
| Cancer..... | 2 |
| Consumption..... | 13 |
| Marasmus..... | 3 |
| Meningitis..... | 2 |
| Bright's Disease..... | 3 |
| Bronchitis..... | 0 |
| Heart Disease..... | 6 |
| Pneumonia..... | 0 |
| Accidents..... | 2 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 5 |
| Disease of the Bowels..... | 5 |
| General Debility..... | 12 |
| Paralysis..... | 6 |
| Old Age..... | 3 |
| Spinal Trouble..... | 1 |
| Drowned..... | 2 |
| Malarial Fever..... | 1 |
| Convulsions..... | 1 |
| Unknown..... | 2 |
| Disease not stated..... | 19 |
| All other diseases..... | 7 |
| <hr/> | |
| Total..... | 118 |
| White..... | 77 |
| Negro..... | 41 |
| <hr/> | |
| Total..... | 118 |
| Males..... | 57 |
| Females..... | 61 |
| <hr/> | |
| Total..... | 118 |

| | |
|--------------------------------|-------|
| Born in the United States..... | 116 |
| Foreign Born..... | 2 |
| | <hr/> |
| Total..... | 118 |

AGES OF DECEDENTS.

| | |
|---------------------------|-------|
| Under 1 year..... | 24 |
| From 1 to 5 years..... | 5 |
| From 5 to 10 years..... | 1 |
| From 10 to 20 years..... | 6 |
| From 20 to 30 years..... | 16 |
| From 30 to 40 years..... | 11 |
| From 40 to 50 years..... | 2 |
| From 50 to 60 years..... | 11 |
| From 60 to 70 years..... | 17 |
| From 70 to 80 years..... | 18 |
| From 80 to 90 years..... | 2 |
| From 90 to 100 years..... | 1 |
| Age not stated..... | 4 |
| | <hr/> |
| Total..... | 118 |

BIRTHS.

| | |
|--------------|-------|
| White..... | 31 |
| Negro..... | 1 |
| | <hr/> |
| Total..... | 32 |
| | |
| Males..... | 16 |
| Females..... | 16 |
| | <hr/> |
| Total..... | 32 |

MARRIAGES.

| | |
|-----------------------|----|
| White..... | 25 |
| Negro | 11 |
| Color not stated..... | 5 |

| | |
|------------|----|
| Total..... | 41 |
|------------|----|

| | |
|---------------------------------|---|
| Still Born..... | 1 |
| Brought here for Interment..... | 6 |

EDMUND B. FRAZER, Secretary.

KENT COUNTY.

SECOND QUARTER ENDING DECEMBER 31, 1894.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism | 0 |
| Croup | 1 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 3 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa | 1 |
| Dysentery..... | 2 |
| Diphtheria..... | 0 |
| Erysipelas | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 1 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 1 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 3 |
| Whooping Cough..... | 0 |
| <hr/> | |
| Zymoties..... | 12 |

| | |
|-----------------------------|-----|
| Typhoid Malaria..... | 2 |
| Cancer..... | 1 |
| Consumption..... | 20 |
| Inanition..... | 2 |
| Bright's Disease..... | 2 |
| Bronchitis | 0 |
| Heart Disease..... | 19 |
| Pneumonia..... | 3 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 3 |
| Disease of the Bowels | 4 |
| Paralysis..... | 5 |
| Peritonitis..... | 1 |
| Dropsy..... | 12 |
| Child Birth..... | 2 |
| Convulsions..... | 2 |
| Old Age..... | 5 |
| Malarial Fever..... | 2 |
| Suicide | 1 |
| Burned | 1 |
| Bilious Fever..... | 1 |
| All other diseases..... | 11 |
| Disease not stated..... | 17 |
| <hr/> | |
| Total..... | 128 |

DECEDENTS.

| | |
|------------------------|-----|
| White | 96 |
| Negro | 30 |
| Color not stated | 2 |
| <hr/> | |
| Total..... | 128 |

| | |
|----------------------|----|
| Males | 63 |
| Females | 62 |
| Sex not stated | 3 |

| | |
|-------------|-----|
| Total | 128 |
|-------------|-----|

| | |
|--------------------------------|-----|
| Born in the United States..... | 127 |
| Foreign Born..... | 1 |

| | |
|------------|-----|
| Total..... | 128 |
|------------|-----|

AGES OF THE DECEDENTS.

| | |
|---|----|
| Under 1 year..... | 15 |
| From 1 to 5 years..... | 9 |
| From 5 to 10 years..... | 1 |
| From 10 to 20 years..... | 11 |
| From 20 to 30 years..... | 12 |
| From 30 to 40 years..... | 10 |
| From 40 to 50 years..... | 7 |
| From 50 to 60 years..... | 20 |
| From 60 to 70 years..... | 14 |
| From 70 to 80 years..... | 15 |
| From 80 to 90 years..... | 4 |
| From 90 to 100 years..... | 4 |
| Grave A. Dickerson, negro female, widow, died Nov. 17th, 1894, at Bombay Hook, Del., over 100 years..... | 1 |
| Age not stated..... | 5 |

| | |
|------------|-----|
| Total..... | 128 |
|------------|-----|

BIRTHS.

| | |
|------------|----|
| White..... | 18 |
| Negro..... | 0 |

| | |
|------------|----|
| Total..... | 18 |
|------------|----|

| | |
|---------------|-------|
| Males | 10 |
| Females | 8 |
| | <hr/> |
| Total..... | 18 |

MARRIAGES.

| | |
|-----------------|-------|
| White..... | 30 |
| Negro | 11 |
| | <hr/> |
| Total..... | 41 |
| Still Born..... | 1 |

EDMUND B. FRAZER, Secretary.

KENT COUNTY.

THIRD QUARTER ENDING MARCH 31, 1895.

Marriages, Births and Deaths.

| | |
|---------------------------------|----|
| Alcoholism | 2 |
| Croup, | 0 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 4 |
| Cerebro Spinal Meningitis | 1 |
| Diarrhœa | 1 |
| Dysentery | 2 |
| Diphtheria..... | 1 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever | 1 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 1 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia | 1 |
| Tonsilitis | 0 |
| Typhoid Fever | 0 |
| Whooping Cough | 0 |
| Zymotics | 14 |

| | |
|-----------------------------|-----|
| Cancer..... | 2 |
| Consumption..... | 24 |
| Typhoid Pneumonia..... | 1 |
| Bright's Disease..... | 2 |
| Bronchitis..... | 5 |
| Heart Disease..... | 9 |
| Pneumonia..... | 21 |
| Accidents..... | 1 |
| Accidents on Railroads..... | 2 |
| Disease of the Brain..... | 4 |
| Disease of the Bowels..... | 3 |
| General Debility..... | 18 |
| Convulsions..... | 2 |
| Paralysis..... | 12 |
| La Grippe..... | 2 |
| Dropsy..... | 5 |
| Old Age..... | 3 |
| Gastric Fever..... | 1 |
| Congestion of Lungs..... | 2 |
| Peritonitis..... | 2 |
| Drowned..... | 2 |
| Diabetes..... | 1 |
| Child Birth..... | 1 |
| All other diseases..... | 14 |
| Disease not stated..... | 20 |
| Total..... | 173 |

DECEDENTS.

| | |
|------------|-----|
| White..... | 114 |
| Negro..... | 59 |
| Total..... | 173 |

| | |
|--------------------------------|-----|
| Males..... | 104 |
| Females | 69 |
| Total | 173 |
| Born in the United States..... | 172 |
| Foreign Born..... | 1 |
| Total..... | 173 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year..... | 21 |
| From 1 to 5 years..... | 15 |
| From 5 to 10 years..... | 4 |
| From 10 to 20 years..... | 15 |
| From 20 to 30 years..... | 14 |
| From 30 to 40 years..... | 11 |
| From 40 to 50 years..... | 11 |
| From 50 to 60 years..... | 19 |
| From 60 to 70 years..... | 15 |
| From 70 to 80 years..... | 25 |
| From 80 to 90 years..... | 14 |
| From 90 to 100 years..... | 3 |
| Age not stated..... | 6 |
| Total..... | 173 |

BIRTHS.

| | |
|---------------|----|
| White | 43 |
| Negro | 5 |
| Total | 48 |
| Males..... | 28 |
| Females | 20 |
| Total..... | 48 |

MARRIAGES.

| | |
|---|-----|
| White | 56 |
| Negro | 5 |
| Total | 61 |
| Still Born..... | 4 |
| Brought here for interment | 5 |
| Total deaths in Kent County..... | 167 |
| From Wilmington | 6 |
| From other places out of the State..... | 5 |
| Total registered..... | 178 |

Fifteen of the decedents died from 1886 to 1893 and just reported after being threatened with the law.

Still born, 4; all white.

Twenty buried without the disease or cause of death being given.

EDMUND B. FRAZER, Secretary.

KENT COUNTY.

FOURTH QUARTER ENDING JUNE 30, 1895.

Marriages, Births and Deaths.

| | |
|---------------------------------|---|
| Alcoholism | 0 |
| Croup | 0 |
| Carbuncle | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum | 1 |
| Cerebro Spinal Meningitis | 0 |
| Diarrhœa | 0 |
| Dysentery | 1 |
| Diphtheria..... | 0 |
| Erysipelas | 1 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 0 |
| Whooping Cough..... | 1 |
| Zymotics | 4 |

| | |
|-----------------------------|----------|
| Cancer..... | 1 |
| Consumption..... | 14 |
| Marasmus..... | 1 |
| Bright's Disease..... | 0 |
| Bronchitis..... | 2 |
| Heart Disease..... | 9 |
| Pneumonia..... | 12 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 4 |
| Disease of the Bowels..... | 4 |
| Child Birth..... | 2 |
| General Debility..... | 10 |
| Paralysis..... | 2 |
| Tetanus..... | 2 |
| Suicide..... | 1 |
| Dropsy..... | 1 |
| Drowned..... | 1 |
| Old Age..... | 1 |
| Peritonitis (Acute)..... | 1 |
| Premature Birth..... | 1 |
| All other diseases..... | 13 |
| Diseases not stated..... | 13 |
| Total..... | <hr/> 99 |

DECEDENTS.

| | |
|---------------|----------|
| White ... | 65 |
| Negro | 34 |
| Total..... | <hr/> 99 |
| Males..... | 40 |
| Females | 59 |
| Total..... | <hr/> 99 |

| | |
|--------------------------------|-------|
| Born in the United States..... | 96 |
| Foreign Born..... | 3 |
| | <hr/> |
| Total..... | 99 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|-------|
| Under 1 year..... | 15 |
| From 1 to 5 years..... | 8 |
| From 5 to 10 years..... | 3 |
| From 10 to 20 years..... | 5 |
| From 20 to 30 years..... | 10 |
| From 30 to 40 years..... | 14 |
| From 40 to 50 years..... | 7 |
| From 50 to 60 years..... | 10 |
| From 60 to 70 years..... | 7 |
| From 70 to 80 years..... | 11 |
| From 80 to 90 years..... | 8 |
| From 90 to 100 years..... | 0 |
| Age not stated..... | 1 |
| | <hr/> |
| Total..... | 99 |

BIRTHS.

| | |
|--------------|-------|
| White..... | 20 |
| Negro..... | 4 |
| | <hr/> |
| Total..... | 24 |
| | |
| Males..... | 14 |
| Females..... | 10 |
| | <hr/> |
| Total..... | 24 |

MARRIAGES.

| | |
|---------------------------------|----|
| White | 11 |
| Negro | 1 |
| Total..... | 12 |
| Brought here for Interment..... | 6 |
| Still Born..... | 1 |

EDMUND B. FRAZER, Secretary.

RECAPITULATION

OF MARRIAGES, BIRTHS AND DEATHS IN KENT COUNTY FOR THE
YEAR ENDING JUNE 30, 1895.

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|----------------------------|--------------|-------------|-------------|--------------|-----|
| Alcoholism..... | 0 | 0 | 2 | 0 | 2 |
| Croup..... | 0 | 1 | 0 | 0 | 1 |
| Carbuncle..... | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus..... | 0 | 0 | 0 | 0 | 0 |
| Cholera Infantum..... | 6 | 3 | 4 | 1 | 14 |
| Cerebro Spinal Meningitis | 1 | 0 | 1 | 0 | 2 |
| Diarrhœa..... | 1 | 1 | 1 | 0 | 3 |
| Dysentery..... | 2 | 2 | 2 | 1 | 7 |
| Diphtheria..... | 0 | 0 | 1 | 0 | 1 |
| Erysipelas..... | 0 | 0 | 0 | 1 | 1 |
| Intermittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Measles..... | 0 | 0 | 0 | 0 | 0 |
| Purpura..... | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever..... | 1 | 0 | 1 | 0 | 2 |
| Pyæmia..... | 0 | 1 | 0 | 0 | 1 |
| Remittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Rheumatism..... | 0 | 1 | 1 | 0 | 2 |
| Scarlet Fever..... | 0 | 0 | 0 | 0 | 0 |
| Small Pox..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital)..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis..... | 0 | 0 | 0 | 0 | 0 |
| Septicæmia..... | 0 | 0 | 1 | 0 | 1 |
| Tonsilitis..... | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever..... | 2 | 3 | 0 | 0 | 5 |
| Whooping Cough..... | 6 | 0 | 0 | 1 | 7 |
| Zymoties..... | 19 | 12 | 14 | 4 | 49 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|----------------------------|--------------|-------------|-------------|--------------|-----|
| Typhoid Pneumonia..... | 0 | 0 | 1 | 0 | 1 |
| Typho Malarial Fever..... | 4 | 2 | 0 | 0 | 6 |
| Cancer | 2 | 1 | 2 | 1 | 6 |
| Consumption..... | 13 | 20 | 24 | 14 | 71 |
| Marasmus..... | 3 | 0 | 0 | 1 | 4 |
| Meningitis | 2 | 0 | 0 | 0 | 2 |
| Inanition | 0 | 2 | 0 | 0 | 2 |
| Bright's Disease..... | 3 | 2 | 2 | 0 | 7 |
| Bronchitis..... | 0 | 0 | 5 | 2 | 7 |
| Heart Disease..... | 6 | 19 | 9 | 9 | 43 |
| Pneumonia..... | 0 | 3 | 21 | 12 | 36 |
| Accidents..... | 2 | 0 | 1 | 0 | 3 |
| Accidents on Railroads.... | 0 | 0 | 2 | 0 | 2 |
| Disease of the Brain..... | 5 | 3 | 4 | 4 | 16 |
| Disease of the Bowels..... | 5 | 4 | 3 | 4 | 16 |
| General Debility..... | 12 | 0 | 18 | 10 | 40 |
| Paralysis..... | 6 | 5 | 12 | 2 | 25 |
| Old Age | 3 | 5 | 3 | 1 | 12 |
| Spinal Trouble..... | 1 | 0 | 0 | 0 | 1 |
| Drowned..... | 2 | 0 | 2 | 1 | 5 |
| Malarial Fever..... | 1 | 2 | 0 | 0 | 3 |
| Convulsions..... | 1 | 2 | 2 | 0 | 5 |
| Peritonitis | 0 | 1 | 2 | 1 | 4 |
| Child Birth..... | 0 | 2 | 1 | 2 | 5 |
| Dropsy | 0 | 12 | 5 | 1 | 18 |
| Premature Births..... | 0 | 0 | 0 | 1 | 1 |
| Suicide | 0 | 1 | 0 | 1 | 2 |
| Tetanus | 0 | 0 | 0 | 2 | 2 |
| Burned | 0 | 1 | 0 | 0 | 1 |
| Bilious Fever | 0 | 1 | 1 | 0 | 2 |
| La Grippe..... | 0 | 0 | 2 | 0 | 2 |
| Congestion of Lungs | 0 | 0 | 2 | 0 | 2 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|--------------------------|--------------|-------------|-------------|--------------|-----|
| Diabetes..... | 0 | 0 | 1 | 0 | 1 |
| All other diseases..... | 7 | 11 | 14 | 13 | 45 |
| Diseases not stated..... | 19 | 17 | 20 | 13 | 69 |
| Unknown..... | 2 | 0 | 0 | 0 | 2 |
| Total..... | 118 | 128 | 173 | 99 | 518 |

DECEDENTS.

| | |
|--------------------------------|-----|
| White | 252 |
| Negro..... | 264 |
| Color not stated..... | 2 |
| Total..... | 518 |
| Males | 264 |
| Females..... | 251 |
| Sex not stated | 3 |
| Total..... | 518 |
| Born in the United States..... | 511 |
| Foreign Born..... | 7 |

AGES OF THE DECEDENTS.

| | |
|--------------------------|----|
| Under 1 year..... | 75 |
| From 1 to 5 years..... | 37 |
| From 5 to 10 years..... | 9 |
| From 10 to 20 years..... | 37 |
| From 20 to 30 years..... | 52 |
| From 30 to 40 years..... | 46 |
| From 40 to 50 years..... | 27 |
| From 50 to 60 years..... | 60 |
| From 60 to 70 years..... | 53 |
| From 70 to 80 years..... | 69 |
| From 80 to 90 years..... | 28 |

| | |
|---------------------------|-----------|
| From 90 to 100 years..... | 8 |
| Over 100 years | 1 |
| Age not stated..... | 16 |
| Total..... | <hr/> 518 |

BIRTHS FOR SAME PERIOD.

| | |
|--------------|-----------|
| White..... | 112 |
| Negro..... | 10 |
| Total..... | <hr/> 122 |
| Males..... | 68 |
| Females..... | 54 |
| Total..... | <hr/> 122 |

MARRIAGES.

| | |
|-----------------------|-----------|
| White..... | 122 |
| Negro..... | 28 |
| Color not stated..... | 5 |
| Total..... | <hr/> 155 |

| | |
|----------------------------------|----|
| Still Born | 7 |
| Brought here for Interment | 17 |

DEATHS.

| | |
|----------------------------|-----------|
| First Quarter Deaths..... | 118 |
| Second Quarter Deaths..... | 128 |
| Third Quarter Deaths..... | 173 |
| Fourth Quarter Deaths..... | 99 |
| Total Deaths..... | <hr/> 518 |

The deaths exceed the births by 396.

TOTAL DEATHS IN KENT COUNTY FOR THE YEAR ENDING
JUNE 30, 1895.

| | | | |
|-----------------------|-----|---------------|----|
| First Quarter..... | 118 | Zymotics..... | 19 |
| Second Quarter..... | 128 | Zymotics..... | 12 |
| Third Quarter..... | 173 | Zymotics..... | 14 |
| Fourth Quarter..... | 99 | Zymotics..... | 4 |
| <hr/> | | <hr/> | |
| Total..... | 518 | | 49 |
| Zymotics..... | 49 | | |
| <hr/> | | | |
| All other diseases... | 469 | | |

| | | |
|----------------------------|---------|-----------|
| | Deaths. | Zymotics. |
| As compared with 1893..... | 450 | 85 |
| As compared with 1894..... | 350 | 46 |

Population of Kent County census 1890, 32,664.

Annual death rate in the 1000 inhabitants, 15.85.

Percentage of deaths from zymotic disease, 9.26.

For the quarter ending June 30th, 1895, there were thirteen certificates returned without giving the cause of death, the undertaker was found and was notified that he was liable to prosecution; he made the returns in about three weeks all right; these certificates recorded by the Recorder of Deeds and entered as "Disease not Stated."

EDMUND B. FRAZER, Secretary.

SUSSEX COUNTY.

FIRST QUARTER ENDING SEPTEMBER 30, 1894.

Marriages, Births and Deaths.

| | |
|---------------------------------|----|
| Alcoholism | 0 |
| Croup, | 1 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 3 |
| Cerebro Spinal Meningitis | 0 |
| Diarrhœa | 0 |
| Dysentery | 10 |
| Diphtheria..... | 1 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 7 |
| Whooping Cough | 9 |
| Zymotics | 31 |

| | |
|-----------------------------|-----------|
| Cancer..... | 1 |
| Consumption..... | 15 |
| Tubercular Meningitis..... | 1 |
| Spinal Meningitis..... | 1 |
| Bright's Disease..... | 2 |
| Bronchitis..... | 0 |
| Heart Disease | 7 |
| Pneumonia..... | 2 |
| Accidents | 1 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 8 |
| Disease of the Bowels | 3 |
| Insanity. | 1 |
| General Debility..... | 5 |
| Dropsy | 3 |
| Child Bed Fever..... | 1 |
| Old Age | 3 |
| Burned..... | 1 |
| All other diseases..... | 7 |
| Total | 93 |

DECEDENTS.

| | |
|--------------------------------|-----------|
| White | 81 |
| Negro | 12 |
| Total | 93 |
| Males..... | 47 |
| Females | 46 |
| Total..... | 93 |
| Born in the United States..... | 93 |
| Foreign Born..... | 0 |
| Total..... | 93 |

AGES OF DECEDENTS.

| | |
|--------------------------|----|
| Under 1 year..... | 17 |
| From 1 to 5 years..... | 15 |
| From 5 to 10 years..... | 3 |
| From 10 to 20 years..... | 9 |
| From 20 to 30 years..... | 8 |
| From 30 to 40 years..... | 6 |
| From 40 to 50 years..... | 5 |
| From 50 to 60 years..... | 4 |
| From 60 to 70 years..... | 8 |
| From 70 to 80 years..... | 16 |
| From 80 to 90 years..... | 2 |
| Total..... | 93 |

BIRTHS.

| | |
|--------------|----|
| White..... | 19 |
| Negro..... | 4 |
| Total..... | 23 |
| Males..... | 10 |
| Females..... | 13 |
| Total..... | 23 |

MARRIAGES.

| | |
|---------------------------------|----|
| White..... | 30 |
| Negro..... | 1 |
| Color not stated..... | 3 |
| Total..... | 34 |
| Brought here for Interment..... | 1 |

EDMUND B. FRAZER, Secretary.

SUSSEX COUNTY.

SECOND QUARTER ENDING DECEMBER 31, 1894.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism | 0 |
| Croup | 1 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 1 |
| Cerebro Spinal Meningitis..... | 1 |
| Diarrhoea | 2 |
| Dysentery..... | 4 |
| Diphtheria..... | 1 |
| Erysipelas | 1 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 6 |
| Whooping Cough..... | 2 |
| Zymotics..... | 19 |

| | |
|-----------------------------|------------|
| Cancer..... | 3 |
| Consumption..... | 25 |
| Meningitis..... | 1 |
| Bright's Disease..... | 2 |
| Bronchitis | 1 |
| Heart Disease..... | 11 |
| Pneumonia..... | 9 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 3 |
| Disease of the Bowels | 1 |
| Paralysis..... | 2 |
| Peritonitis..... | 1 |
| Insanity | 1 |
| Burned | 1 |
| General Debility..... | 5 |
| Old Age..... | 5 |
| Dropsy..... | 2 |
| Slow Fever..... | 3 |
| Child Birth..... | 2 |
| Accident Gun Shot..... | 1 |
| Poisoned..... | 1 |
| Drowned..... | 1 |
| All other diseases..... | 12 |
| Disease not stated..... | 6 |
| Total..... | 118 |

DECEDENTS.

| | |
|-------------------|------------|
| White..... | 110 |
| Negro..... | 8 |
| Total..... | 118 |

| | |
|--------------------------------|-----|
| Males..... | 51 |
| Females..... | 67 |
| Total..... | 118 |
| Born in the United States..... | 117 |
| Foreign Born..... | 1 |
| Total..... | 118 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year..... | 18 |
| From 1 to 5 years..... | 11 |
| From 5 to 10 years..... | 4 |
| From 10 to 20 years..... | 8 |
| From 20 to 30 years..... | 7 |
| From 30 to 40 years..... | 15 |
| From 40 to 50 years..... | 17 |
| From 50 to 60 years..... | 14 |
| From 60 to 70 years..... | 8 |
| From 70 to 80 years..... | 9 |
| From 80 to 90 years..... | 4 |
| From 90 to 100 years..... | 0 |
| Age not stated..... | 3 |
| Total..... | 116 |

BIRTHS.

| | |
|--------------|----|
| White..... | |
| Negro..... | |
| Total..... | 19 |
| Males..... | |
| Females..... | 12 |
| Total..... | 19 |

MARRIAGES.

| | |
|-----------------|-------|
| White..... | 94 |
| Negro | 3 |
| | <hr/> |
| Total..... | 97 |
| Still Born..... | 5 |

EDMUND B. FRAZER, Secretary.

SUSSEX COUNTY.

THIRD QUARTER ENDING MARCH 31, 1895.

Marriages, Births and Deaths.

| | |
|--------------------------------|---|
| Alcoholism | 0 |
| Croup | 3 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 0 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa | 0 |
| Dysentery..... | 0 |
| Diphtheria..... | 0 |
| Erysipelas | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 1 |
| Pyæmia..... | 1 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 1 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 2 |
| Whooping Cough..... | 0 |
| <hr/> | |
| Zymotics..... | 8 |

| | |
|-----------------------------|-------|
| Cancer..... | 2 |
| Consumption..... | 14 |
| Marasmus..... | 2 |
| Meningitis..... | 1 |
| Bright's Disease..... | 1 |
| Bronchitis..... | 0 |
| Heart Disease..... | 7 |
| Pneumonia..... | 11 |
| Accidents..... | 1 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 3 |
| Disease of the Bowels..... | 0 |
| Old Age..... | 4 |
| Burned..... | 1 |
| La Grippe..... | 3 |
| Convulsions..... | 2 |
| Dropsy..... | 4 |
| Paralysis..... | 3 |
| General Debility..... | 3 |
| Congestion of Lungs..... | 1 |
| Fracture of Skull..... | 1 |
| All other diseases..... | 9 |
| | <hr/> |
| | 81 |
| Brought here..... | 3 |
| | <hr/> |
| Total..... | 78 |

DECEDENTS.

| | |
|------------|-------|
| White..... | 64 |
| Negro..... | 14 |
| | <hr/> |
| Total..... | 78 |

| | |
|--------------------------------|----|
| Males..... | 39 |
| Females | 39 |
| Total..... | 78 |
| Born in the United States..... | 78 |
| Foreign Born..... | 0 |
| Total..... | 78 |

AGES OF THE DECEDENTS.

| | |
|---|----|
| Under 1 year..... | 5 |
| From 1 to 5 years..... | 7 |
| From 5 to 10 years..... | 2 |
| From 10 to 20 years..... | 9 |
| From 20 to 30 years..... | 6 |
| From 30 to 40 years..... | 8 |
| From 40 to 50 years..... | 3 |
| From 50 to 60 years..... | 9 |
| From 60 to 70 years..... | 12 |
| From 70 to 80 years..... | 12 |
| From 80 to 90 years..... | 3 |
| Margaret Donoval, white, 104 years..... | 1 |
| Age not stated..... | 1 |
| Total..... | 78 |

BIRTHS.

| | |
|---------------|-----|
| White | 217 |
| Negro | 11 |
| Total | 228 |
| Males..... | 131 |
| Females | 97 |
| Total..... | 228 |

MARRIAGES.

| | |
|-----------------|----|
| White | 76 |
| Negro | 0 |
| <hr/> | |
| Total..... | 76 |
| Still Born..... | 12 |

EDMUND B. FRAZER, Secretary.

SUSSEX COUNTY.

FOURTH QUARTER ENDING JUNE 30, 1895.

Marriages, Births and Deaths.

| | |
|---------------------------------|---|
| Alcoholism | 0 |
| Croup, | 3 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 0 |
| Cerebro Spinal Meningitis | 1 |
| Diarrhœa | 0 |
| Dysentery | 0 |
| Diphtheria..... | 0 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 1 |
| Whooping Cough | 2 |
| Zymotics | 7 |

| | |
|-----------------------------|-----|
| Cancer..... | 1 |
| Consumption..... | 20 |
| Bright's Disease..... | 2 |
| Bronchitis..... | 0 |
| Heart Disease | 8 |
| Pneumonia..... | 9 |
| Accidents | 1 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 7 |
| Disease of the Bowels | 5 |
| Old Age | 6 |
| Paralysis..... | 4 |
| Appendicitis | 1 |
| Convulsions..... | 5 |
| Burned | 1 |
| General Debility..... | 2 |
| Kicked by a horse | 1 |
| Dropsy | 2 |
| Peritonitis | 2 |
| Insanity..... | 2 |
| La Grippe..... | 1 |
| Drowned..... | 1 |
| Premature Birth..... | 1 |
| All other diseases..... | 11 |
| Disease not stated..... | 7 |
| <hr/> | |
| Total | 107 |

DECEDENTS.

| | |
|-------------|-----|
| White | 82 |
| Negro | 25 |
| <hr/> | |
| Total | 107 |

| | |
|---------------|-----|
| Males..... | 63 |
| Females | 44 |
| <hr/> | |
| Total..... | 107 |

| | |
|--------------------------------|-----|
| Born in the United States..... | 107 |
| Foreign Born..... | 0 |
| <hr/> | |
| Total..... | 107 |

AGES OF DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year..... | 16 |
| From 1 to 5 years..... | 8 |
| From 5 to 10 years..... | 2 |
| From 10 to 20 years..... | 9 |
| From 20 to 30 years..... | 13 |
| From 30 to 40 years | 5 |
| From 40 to 50 years..... | 10 |
| From 50 to 60 years..... | 8 |
| From 60 to 70 years..... | 13 |
| From 70 to 80 years..... | 15 |
| From 80 to 90 years..... | 5 |
| From 90 to 100 years..... | 1 |
| Age not stated..... | 2 |
| <hr/> | |
| Total..... | 107 |

BIRTHS.

| | |
|-------------|----|
| White..... | 28 |
| Negro | 1 |
| <hr/> | |
| Total..... | 29 |

| | |
|--------------|-------|
| Males..... | 14 |
| Females..... | 15 |
| | <hr/> |
| Total..... | 29 |

MARRIAGES.

| | |
|-------------|-------|
| White..... | 35 |
| Negro | 6 |
| | <hr/> |
| Total..... | 41 |

| | |
|---------------------------------|---|
| Brought here for Interment..... | 6 |
| Still Born..... | 1 |

EDMUND B. FRAZER, Secretary.

RECAPITULATION

OF MARRIAGES, BIRTHS AND DEATHS IN SUSSEX COUNTY FOR THE
YEAR ENDING JUNE 30, 1895.

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|----------------------------|--------------|-------------|-------------|--------------|-----|
| Alcoholism..... | 0 | 0 | 0 | 0 | 0 |
| Croup | 1 | 1 | 3 | 3 | 8 |
| Carbuncle | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus..... | 0 | 0 | 0 | 0 | 0 |
| Cholera Infantum..... | 0 | 1 | 0 | 0 | 1 |
| Cerebro Spinal Meningitis | 3 | 1 | 0 | 1 | 5 |
| Diarrhœa | 0 | 2 | 0 | 0 | 2 |
| Dysentery | 0 | 4 | 0 | 0 | 4 |
| Diphtheria | 10 | 1 | 0 | 0 | 11 |
| Erysipelas | 1 | 1 | 0 | 0 | 2 |
| Intermittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Measles | 0 | 0 | 0 | 0 | 0 |
| Purpura | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever..... | 0 | 0 | 1 | 0 | 1 |
| Pyæmia | 0 | 0 | 1 | 0 | 1 |
| Remittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Rheumatism | 0 | 0 | 1 | 0 | 1 |
| Scarlet Fever..... | 0 | 0 | 0 | 0 | 0 |
| Small Pox..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital)..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis..... | 0 | 0 | 0 | 0 | 0 |
| Septicæmia | 0 | 0 | 0 | 0 | 0 |
| Tonsilitis..... | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever | 7 | 6 | 2 | 1 | 16 |
| Whooping Cough | 9 | 2 | 0 | 2 | 13 |
| Zymotics | 31 | 19 | 8 | 7 | 65 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|-----------------------------|--------------|-------------|-------------|--------------|-----|
| Cancer | 1 | 3 | 2 | 1 | 7 |
| Consumption..... | 15 | 25 | 14 | 20 | 74 |
| Meningitis | 2 | 1 | 1 | 0 | 4 |
| Marasmus..... | 0 | 0 | 2 | 0 | 2 |
| Bright's Disease..... | 2 | 2 | 1 | 2 | 7 |
| Bronchitis..... | 0 | 1 | 0 | 0 | 1 |
| Heart Disease..... | 7 | 11 | 7 | 8 | 33 |
| Pneumonia..... | 2 | 9 | 11 | 9 | 31 |
| Accidents..... | 1 | 1 | 1 | 1 | 4 |
| Accidents on Railroads..... | 0 | 0 | 0 | 0 | 0 |
| Disease of the Brain..... | 8 | 3 | 3 | 7 | 21 |
| Disease of the Bowels..... | 3 | 1 | 0 | 5 | 9 |
| Insanity | 1 | 1 | 0 | 2 | 4 |
| General Debility..... | 5 | 5 | 3 | 2 | 15 |
| Dropsy | 3 | 2 | 4 | 2 | 11 |
| Child Bed Fever..... | 1 | 2 | 0 | 0 | 3 |
| Old Age | 3 | 5 | 4 | 6 | 18 |
| Burned | 1 | 1 | 1 | 1 | 4 |
| Paralysis..... | 0 | 2 | 3 | 4 | 9 |
| Peritonitis | 0 | 1 | 0 | 2 | 3 |
| Slow Fever | 0 | 3 | 0 | 0 | 3 |
| Suicide | 0 | 1 | 0 | 0 | 1 |
| Drowned..... | 0 | 1 | 0 | 1 | 2 |
| La Grippe..... | 0 | 0 | 3 | 1 | 4 |
| Convulsions..... | 0 | 0 | 2 | 5 | 7 |
| Congestion of Lungs | 0 | 0 | 1 | 0 | 1 |
| Fracture of Neck | 0 | 0 | 1 | 0 | 1 |
| Appendicitis..... | 0 | 0 | 0 | 1 | 1 |
| Kicked by a horse | 0 | 0 | 0 | 1 | 1 |
| Disease not stated..... | 0 | 6 | 0 | 7 | 13 |
| Premature Birth..... | 0 | 0 | 0 | 1 | 1 |
| All other diseases..... | 7 | 12 | 9 | 11 | 39 |
| Total..... | 93 | 118 | 81 | 107 | 396 |
| Brought here..... | | | 3 | | |
| | | | 78 | | |

DECEDENTS.

| | |
|--------------------------------|-----|
| White..... | 337 |
| Negro..... | 59 |
| Total..... | 396 |
| Males..... | 200 |
| Females..... | 196 |
| Total..... | 396 |
| Born in the United States..... | 395 |
| Foreign Born..... | 1 |
| Total..... | 396 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year..... | 56 |
| From 1 to 5 years..... | 41 |
| From 5 to 10 years..... | 11 |
| From 10 to 20 years..... | 35 |
| From 20 to 30 years..... | 34 |
| From 30 to 40 years..... | 34 |
| From 40 to 50 years..... | 35 |
| From 50 to 60 years..... | 35 |
| From 60 to 70 years..... | 41 |
| From 70 to 80 years..... | 52 |
| From 80 to 90 years..... | 14 |
| From 90 to 100 years..... | 2 |
| Age not stated..... | 6 |
| Total..... | 396 |

BIRTHS FOR SAME PERIOD.

| | |
|--------------|-----|
| White..... | 282 |
| Negro..... | 17 |
| <hr/> | |
| Total..... | 299 |
| | |
| Males..... | 162 |
| Females..... | 137 |
| <hr/> | |
| Total..... | 299 |

MARRIAGES.

| | |
|------------------------|-----|
| White..... | 235 |
| Negro..... | 10 |
| Color not stated | 3 |
| <hr/> | |
| Total..... | 248 |

| | |
|----------------------------------|----|
| Still Born | 18 |
| Brought here for Interment | 10 |

DEATHS.

| | |
|----------------------------------|-----|
| First Quarter Deaths..... | 93 |
| Second Quarter Deaths..... | 118 |
| Third Quarter Deaths..... | 78 |
| Fourth Quarter Deaths..... | 107 |
| <hr/> | |
| Total Deaths..... | 396 |
| Births..... | 299 |
| <hr/> | |
| Deaths exceed the births by..... | 97 |

TOTAL DEATHS IN SUSSEX COUNTY FOR THE YEAR ENDING
JUNE 30, 1895.

| | | | |
|---------------------|-----|---------------|----|
| First Quarter..... | 93 | Zymotics..... | 31 |
| Second Quarter..... | 118 | Zymotics..... | 19 |
| Third Quarter..... | 78 | Zymotics..... | 8 |
| Fourth Quarter..... | 107 | Zymotics..... | 7 |
| <hr/> | | <hr/> | |
| Total..... | 396 | | 65 |
| Zymotics..... | 65 | | |

All other diseases... 331

| | Deaths. | Zymotics. |
|----------------------------|---------|-----------|
| As compared with 1893..... | 455 | 108 |
| As compared with 1894..... | 366 | 87 |

Population of Sussex County census 1890. 38,647.

Annual death rate in the 1000 inhabitants, 10.22.

Percentage of deaths from zymotic disease. 13.87.

POPULATION OF THE STATE CENSUS 1890

| | |
|------------------------|---------|
| New Castle County..... | 97,182 |
| Kent County..... | 32,664 |
| Sussex County..... | 38,647 |
| <hr/> | |
| Total..... | 168,493 |

EDMUND B. FRAZER, Secretary.

MORTUARY REPORT

IN THE STATE OF DELAWARE FOR THE YEAR ENDING JUNE 30, 1895.

RECAPITULATION.

| | Marriages. | Births. | Deaths. |
|-------------------------|------------|---------|---------|
| New Castle County..... | 596 | 1661 | 1577 |
| Kent County..... | 155 | 122 | 518 |
| Sussex County..... | 248 | 299 | 396 |
| | <hr/> | <hr/> | <hr/> |
| Total..... | 999 | 1982 | 2491 |
| Compared with 1894..... | 953 | 2322 | 2417 |

CONSUMPTION.

| | 1893 | 1894 | 1895 |
|--------------------------------|-------|-------|-------|
| New Castle County..... | 185 | 167 | 165 |
| Kent County..... | 61 | 57 | 71 |
| Sussex County..... | 67 | 61 | 74 |
| | <hr/> | <hr/> | <hr/> |
| Total deaths in the State..... | 313 | 285 | 310 |

Population of the State of Delaware, census of 1890, 168,493

EDMUND B. FRAZER, Secretary.

NEW CASTLE COUNTY.

FIRST QUARTER ENDING SEPTEMBER 30, 1895.

Marriages, Births and Deaths.

| | |
|---------------------------------|-----|
| Alcoholism | 2 |
| Croup | 4 |
| Carbuncle | 0 |
| Cholera Morbus..... | 4 |
| Cholera Infantum | 52 |
| Cerebro Spinal Meningitis | 1 |
| Diarrhœa | 3 |
| Dysentery | 18 |
| Diphtheria..... | 3 |
| Erysipelas | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 2 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 1 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 1 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 1 |
| Septicæmia..... | 1 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 14 |
| Whooping Cough..... | 5 |
| Zymotics | 112 |

| | |
|-----------------------------|-----|
| Typho Malarial..... | 1 |
| Cancer..... | 11 |
| Consumption..... | 47 |
| Meningitis..... | 20 |
| Marasmus..... | 41 |
| Inanition | 28 |
| Bright's Disease..... | 6 |
| Bronchitis | 2 |
| Heart Disease..... | 36 |
| Pneumonia..... | 12 |
| Accidents..... | 4 |
| Accidents on Railroads..... | 8 |
| Disease of the Brain..... | 24 |
| Disease of the Bowels | 29 |
| Paralysis..... | 12 |
| Convulsions..... | 6 |
| General Debility..... | 1 |
| Suicide | 1 |
| Peritonitis..... | 4 |
| Entero Colitis..... | 8 |
| Congestion of Lungs | 3 |
| Dropsy..... | 7 |
| Old Age..... | 6 |
| Murder | 2 |
| Angina Pectoris..... | 1 |
| Premature Birth..... | 6 |
| Pleurisy | 1 |
| Drowned..... | 5 |
| Strangulated Cord..... | 1 |
| All other diseases..... | 57 |
| Total..... | 502 |

DECEDENTS.

| | |
|-------------|-----|
| White | 423 |
| Negro | 79 |

| | |
|------------|-----|
| Total..... | 502 |
|------------|-----|

| | |
|---------------|-----|
| Males..... | 264 |
| Females | 238 |

| | |
|------------|-----|
| Total..... | 502 |
|------------|-----|

| | |
|--------------------------------|-----|
| Born in the United States..... | 446 |
| Foreign Born..... | 56 |

| | |
|------------|-----|
| Total..... | 502 |
|------------|-----|

AGES OF THE DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year..... | 187 |
| From 1 to 5 years..... | 41 |
| From 5 to 10 years..... | 14 |
| From 10 to 20 years..... | 29 |
| From 20 to 30 years..... | 43 |
| From 30 to 40 years..... | 29 |
| From 40 to 50 years..... | 32 |
| From 50 to 60 years..... | 41 |
| From 60 to 70 years..... | 34 |
| From 70 to 80 years..... | 31 |
| From 80 to 90 years..... | 17 |
| From 90 to 100 years..... | 1 |
| Age not stated | 3 |

| | |
|------------|-----|
| Total..... | 502 |
|------------|-----|

BIRTHS.

| | |
|--------------|------------|
| White..... | 366 |
| Negro..... | <u>22</u> |
| Total..... | 388 |
| Males..... | 196 |
| Females..... | <u>192</u> |
| Total..... | 388 |

MARRIAGES.

| | |
|---------------------------------|-----------|
| White..... | 77 |
| Negro..... | <u>12</u> |
| Total..... | 89 |
| Brought here for interment..... | 4 |
| Still Born..... | 13 |

EDMUND B. FRAZER, Secretary.

NEW CASTLE COUNTY.

SECOND QUARTER ENDING DECEMBER 31, 1895.

Marriages, Births and Deaths.

| | |
|---------------------------------|----|
| Alcoholism | 1 |
| Croup | 8 |
| Carbuncle | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum | 1 |
| Cerebro Spinal Meningitis | 0 |
| Diarrhœa | 1 |
| Dysentery | 1 |
| Diphtheria..... | 6 |
| Erysipelas | 1 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 1 |
| Pyæmia..... | 1 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 1 |
| Scarlet Fever..... | 1 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 2 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 12 |
| Whooping Cough..... | 4 |
| Zymotics | 41 |

| | |
|--------------------------------------|-----|
| Cancer..... | 11 |
| Consumption..... | 48 |
| Meningitis..... | 14 |
| Inanition..... | 6 |
| Marasmus | 11 |
| Bright's Disease..... | 14 |
| Bronchitis | 2 |
| Heart Disease..... | 21 |
| Pneumonia | 23 |
| Accidents..... | 3 |
| Accidents on Railroads..... | 3 |
| Disease of the Brain..... | 19 |
| Disease of the Bowels..... | 15 |
| Congestion of Lungs..... | 7 |
| Pleurisy..... | 2 |
| Peritonitis. | 5 |
| Old Age | 23 |
| Suicide, cut throat..... | 1 |
| Suicide, hanging..... | 1 |
| Suicide..... | 1 |
| Paralysis..... | 13 |
| Convulsions..... | 10 |
| Drowned..... | 2 |
| Burned..... | 3 |
| Dropsy | 2 |
| Shock, Del. Hospital, Farnhurst..... | 1 |
| Malarial Fever..... | 1 |
| Appendicitis..... | 1 |
| Epilepsy..... | 1 |
| Premature Birth..... | 11 |
| All other diseases..... | 43 |
| Total..... | 359 |

DECEDENTS.

| | |
|--------------------------------|-----|
| White..... | 292 |
| Negro | 67 |
| <hr/> | |
| Total..... | 359 |
| | |
| Males..... | 179 |
| Females..... | 180 |
| <hr/> | |
| Total..... | 359 |
| | |
| Born in the United States..... | 307 |
| Foreign Born..... | 52 |
| <hr/> | |
| Total..... | 359 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year..... | 71 |
| From 1 to 5 years..... | 37 |
| From 5 to 10 years..... | 11 |
| From 10 to 20 years..... | 23 |
| From 20 to 30 years..... | 31 |
| From 30 to 40 years..... | 25 |
| From 40 to 50 years..... | 30 |
| From 50 to 60 years..... | 33 |
| From 60 to 70 years..... | 39 |
| From 70 to 80 years..... | 31 |
| From 80 to 90 years..... | 22 |
| From 90 to 100 years..... | 2 |
| Age not stated..... | 4 |
| <hr/> | |
| Total..... | 359 |

BIRTHS.

| | |
|---------------|-----|
| White | 556 |
| Negro | 44 |
| Total | 600 |
| Males..... | 303 |
| Females | 297 |
| Total..... | 600 |

MARRIAGES.

| | |
|---------------------------------|-----|
| White..... | 143 |
| Negro | 42 |
| Total..... | 185 |
| Still Born..... | 28 |
| Brought here for Interment..... | 5 |

EDMUND B. FRAZER, Secretary.

NEW CASTLE COUNTY.

THIRD QUARTER ENDING MARCH 31, AND TO APRIL 20, 1896.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism | 1 |
| Croup | 9 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 1 |
| Cerebro Spinal Meningitis..... | 2 |
| Diarrhœa | 3 |
| Dysentery..... | 0 |
| Diphtheria | 10 |
| Erysipelas | 1 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 3 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 1 |
| Scarlet Fever..... | 6 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 1 |
| Septicæmia..... | 2 |
| Tonsilitis | 0 |
| Typhoid Fever | 3 |
| Whooping Cough..... | 9 |
| Zymoties..... | 52 |

| | |
|-----------------------------|-----|
| Cancer..... | 8 |
| Consumption..... | 65 |
| Meningitis..... | 20 |
| Marasmus..... | 10 |
| Inanition | 16 |
| Bright's Disease:..... | 24 |
| Bronchitis..... | 9 |
| Heart Disease | 53 |
| Pneumonia..... | 94 |
| Accidents | 4 |
| Accidents on Railroads..... | 12 |
| Disease of the Brain..... | 39 |
| Disease of the Bowels | 15 |
| Congestion of Lungs..... | 4 |
| Old Age | 20 |
| General Debility..... | 10 |
| Convulsions..... | 18 |
| Entero Colitis..... | 6 |
| Malarial Fever | 1 |
| Double Pleurisy | 2 |
| La Grippe..... | 4 |
| Paralysis..... | 14 |
| Typhoid Pneumonia..... | 1 |
| Fistula | 1 |
| Suicide | 1 |
| Drowned..... | 1 |
| Peritonitis | 1 |
| Chorea..... | 1 |
| Premature Birth..... | 9 |
| All other diseases..... | 62 |
| Total | 577 |

DECEDENTS.

| | |
|--------------------------------|-----|
| White..... | 491 |
| Negro..... | 86 |
| Total..... | 577 |
| Males..... | 302 |
| Females..... | 275 |
| Total..... | 577 |
| Born in the United States..... | 489 |
| Foreign Born..... | 88 |
| Total..... | 577 |

AGES OF DECEDENTS.

| | |
|---|-----|
| Under 1 year..... | 134 |
| From 1 to 5 years..... | 89 |
| From 5 to 10 years..... | 5 |
| From 10 to 20 years..... | 27 |
| From 20 to 30 years..... | 39 |
| From 30 to 40 years..... | 37 |
| From 40 to 50 years..... | 41 |
| From 50 to 60 years..... | 36 |
| From 60 to 70 years..... | 63 |
| From 70 to 80 years..... | 51 |
| From 80 to 90 years..... | 39 |
| From 90 to 100 years..... | 4 |
| Charles Emald, negro, aged 100 years..... | 1 |
| Johanna Haley, white, aged 103 years..... | 1 |
| Age not stated..... | 10 |
| Total..... | 577 |

BIRTHS.

| | |
|--------------|-------|
| White..... | 418 |
| Negro | 44 |
| | <hr/> |
| Total..... | 462 |
| Males..... | 237 |
| Females..... | 225 |
| | <hr/> |
| Total..... | 462 |

MARRIAGES.

| | |
|----------------------------------|-------|
| White | 179 |
| Negro | 28 |
| | <hr/> |
| Total..... | 207 |
| Brought here for Interment | 42 |
| Still Born..... | 26 |

EDMUND B. FRAZER, Secretary.

NEW CASTLE COUNTY.

FOURTH QUARTER ENDING JUNE 30, 1896.

Marriages, Births and Deaths.

| | |
|---------------------------------|----|
| Alcoholism | 0 |
| Croup, | 1 |
| Carbuncle | 0 |
| Cholera Morbus | 1 |
| Cholera Infantum | 3 |
| Cerebro Spinal Meningitis | 1 |
| Diarrhœa | 0 |
| Dysentery | 0 |
| Diphtheria..... | 4 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles..... | 1 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 1 |
| Septicæmia | 1 |
| Tonsilitis | 0 |
| Typhoid Fever | 2 |
| Whooping Cough | 1 |
| Zymotics | 16 |

| | |
|-----------------------------|-----|
| Cancer..... | 6 |
| Consumption..... | 32 |
| Meningitis | 11 |
| Inanition..... | 4 |
| Marasmus..... | 1 |
| Bright's Disease..... | 13 |
| Bronchitis | 1 |
| Heart Disease..... | 16 |
| Pneumonia | 11 |
| Accidents..... | 1 |
| Accidents on Railroads..... | 3 |
| Disease of the Brain..... | 15 |
| Disease of the Bowels | 6 |
| Paralysis..... | 10 |
| Old Age..... | 6 |
| Drowned..... | 3 |
| Convulsions..... | 8 |
| General Debility..... | 1 |
| Dropsy | 1 |
| Peritonitis | 1 |
| Entero Colitis..... | 2 |
| Premature Birth..... | 5 |
| All other diseases..... | 27 |
| <hr/> | |
| Total..... | 200 |

DECEDENTS.

| | |
|-------------|-----|
| White..... | 151 |
| Negro..... | 49 |
| <hr/> | |
| Total..... | 200 |
| Male | 98 |
| Female..... | 102 |
| <hr/> | |
| Total..... | 200 |

| | |
|---------------------------------|-----|
| Born in the United States | 170 |
| Foreign Born | 30 |
| Total..... | 200 |

AGES OF THE DECEDENTS.

| | |
|----------------------------|-----|
| Under 1 year | 40 |
| From 1 to 5 years | 13 |
| From 5 to 10 years | 6 |
| From 10 to 20 years | 10 |
| From 20 to 30 years | 18 |
| From 30 to 40 years | 14 |
| From 40 to 50 years | 13 |
| From 50 to 60 years | 20 |
| From 60 to 70 years | 23 |
| From 70 to 80 years | 19 |
| From 80 to 90 years | 16 |
| From 90 to 100 years | 1 |
| Age not stated | 7 |
| Total | 200 |

BIRTHS.

| | |
|---------------|-----|
| White | 156 |
| Negro | 23 |
| Total | 179 |
| Males | 88 |
| Females | 91 |
| Total | 179 |

MARRIAGES.

| | |
|----------------------------------|-------|
| White | 74 |
| Negro | 6 |
| | <hr/> |
| Total | 80 |
| Brought here for Interment | 17 |
| Still Born | 12 |

There were returned by the Recorder of Deeds to me for the quarter ending March 31st, 1896, the certificates up to April 20th, 1896. Therefore this quarter is not full, and the third quarter has twenty days in April which should be compiled with this the fourth quarter.

EDMUND B. FRAZER, Secretary.

RECAPITULATION

OF MARRIAGES, BIRTHS AND DEATHS IN NEW CASTLE COUNTY FOR
THE YEAR ENDING JUNE 30, 1896.

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|----------------------------|--------------|-------------|-------------|--------------|-------|
| Alcoholism..... | 2 | 1 | 1 | 0 | 4 |
| Croup | 4 | 8 | 9 | 1 | 22 |
| Carbuncle | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus..... | 4 | 0 | 0 | 1 | 5 |
| Cholera Infantum..... | 52 | 1 | 1 | 3 | 57 |
| Cerebro Spinal Meningitis | 1 | 0 | 2 | 1 | 4 |
| Diarrhœa | 3 | 1 | 3 | 0 | 7 |
| Dysentery | 18 | 1 | 0 | 0 | 19 |
| Diphtheria | 3 | 6 | 10 | 4 | 23 |
| Erysipelas | 0 | 1 | 1 | 0 | 2 |
| Intermittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Measles | 2 | 0 | 0 | 1 | 3 |
| Purpura | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever..... | 0 | 1 | 0 | 0 | 1 |
| Pyæmia | 1 | 1 | 3 | 0 | 5 |
| Remittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Rheumatism | 1 | 1 | 1 | 0 | 3 |
| Scarlet Fever..... | 0 | 1 | 6 | 0 | 7 |
| Small Pox..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital)..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis..... | 1 | 0 | 1 | 1 | 3 |
| Septicæmia | 1 | 2 | 2 | 1 | 6 |
| Tonsilitis..... | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever | 14 | 12 | 3 | 2 | 31 |
| Whooping Cough | 5 | 4 | 9 | 1 | 19 |
| <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
| Zymotics | 112 | 41 | 52 | *16 | 221 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | Tot |
|-----------------------------|--------------|-------------|-------------|--------------|-----|
| Typhoid Pneumonia | 0 | 0 | 1 | 0 | 1 |
| Typho Malaria..... | 1 | 0 | 0 | 0 | 1 |
| Cancer | 11 | 11 | 8 | 6 | 36 |
| Consumption..... | 47 | 48 | 65 | 32 | 192 |
| Meningitis | 20 | 14 | 20 | 11 | 65 |
| Marasmus..... | 41 | 11 | 10 | 1 | 63 |
| Inanition | 28 | 6 | 16 | 4 | 54 |
| Bright's Disease..... | 6 | 14 | 24 | 13 | 57 |
| Bronchitis..... | 2 | 2 | 9 | 1 | 14 |
| Heart Disease..... | 36 | 21 | 53 | 16 | 126 |
| Pneumonia..... | 12 | 23 | 94 | 11 | 140 |
| Accidents..... | 4 | 3 | 4 | 1 | 12 |
| Accidents on Railroads..... | 8 | 3 | 12 | 3 | 26 |
| Disease of the Brain..... | 24 | 19 | 39 | 15 | 97 |
| Disease of the Bowels..... | 29 | 15 | 15 | 6 | 65 |
| Paralysis..... | 12 | 13 | 14 | 10 | 49 |
| Convulsions..... | 6 | 10 | 18 | 8 | 42 |
| General Debility..... | 1 | 0 | 10 | 1 | 12 |
| Suicide..... | 1 | 3 | 1 | 0 | 5 |
| Peritonitis | 4 | 5 | 1 | 1 | 11 |
| Entero Colitis | 8 | 0 | 6 | 2 | 16 |
| Congestion of Lungs | 3 | 7 | 4 | 0 | 14 |
| Dropsy | 7 | 2 | 0 | 1 | 10 |
| Old Age | 6 | 23 | 20 | 6 | 55 |
| Murder | 2 | 0 | 0 | 0 | 2 |
| Angina Pectoris | 1 | 0 | 1 | 0 | 2 |
| Premature Birth..... | 6 | 11 | 9 | 5 | 31 |
| Pleurisy | 1 | 2 | 2 | 0 | 5 |
| Drowned..... | 5 | 2 | 1 | 3 | 11 |
| Strangulated Cord..... | 1 | 0 | 1 | 0 | 2 |
| All other diseases..... | 57 | 43 | 62 | 27 | 189 |
| Burned | 0 | 3 | 0 | 0 | 3 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|---------------------------|--------------|-------------|-------------|--------------|------|
| La Grippe..... | 0 | 0 | 4 | 0 | 4 |
| Shock, Del. Hosp. Farnh't | 0 | 1 | 0 | 0 | 1 |
| Malarial Fever..... | 0 | 1 | 1 | 0 | 2 |
| Epilepsy..... | 0 | 1 | 0 | 0 | 1 |
| Appendicitis..... | 0 | 1 | 0 | 0 | 1 |
| Total..... | 502 | 359 | 577 | 200 | 1638 |

The Recorder returned twenty days of this quarter in the quarter ended March 31, 1896, the (Fourth Quarter), and this accounts for the small number reported June 30th, 1896, the Fourth Quarter.

DECEDENTS.

| | |
|--------------------------------|------|
| White..... | 1357 |
| Negro..... | 281 |
| Total..... | 1638 |
| Males..... | 843 |
| Females..... | 795 |
| Total..... | 1638 |
| Born in the United States..... | 1412 |
| Foreign Born..... | 226 |
| Total..... | 1638 |

AGES OF THE DECEDENTS.

| | |
|--------------------------|-----|
| Under 1 year..... | 432 |
| From 1 to 5 years..... | 80 |
| From 5 to 10 years..... | 36 |
| From 10 to 20 years..... | 89 |

| | |
|---------------------------|-------------|
| From 20 to 30 years..... | 131 |
| From 30 to 40 years..... | 105 |
| From 40 to 50 years..... | 116 |
| From 50 to 60 years..... | 130 |
| From 60 to 70 years..... | 159 |
| From 70 to 80 years..... | 132 |
| From 80 to 90 years..... | 94 |
| From 90 to 100 years..... | 8 |
| Over 100 years | 2 |
| Age not stated | 24 |
| Total..... | 1638 |

BIRTHS FOR THE SAME PERIOD.

| | |
|----------------------|-------------|
| White | 1496 |
| Negro | 133 |
| Total..... | 1629 |
| Males..... | 824 |
| Females | 805 |
| Total..... | 1629 |

MARRIAGES.

| | |
|-------------------|------------|
| White..... | 473 |
| Negro | 88 |
| Total..... | 561 |

TOTAL DEATHS IN NEW CASTLE COUNTY FOR THE YEAR ENDING
JUNE 30, 1896.

| | | | |
|---------------------|-------|---------------|-------|
| First Quarter..... | 502 | Zymotics..... | 112 |
| Second Quarter..... | 359 | Zymotics..... | 41 |
| Third Quarter..... | 577 | Zymotics..... | 52 |
| Fourth Quarter..... | 200 | Zymotics..... | 16 |
| | <hr/> | | <hr/> |
| Total..... | 1638 | | 221 |
| Zymotics..... | 221 | | |

All other diseases... 1417

| | Deaths. | Zymotics. |
|----------------------------|---------|-----------|
| As compared with 1894..... | 1700 | 293 |
| As compared with 1895..... | 1577 | 228 |

| | |
|---------------------------------|------|
| Still Born..... | 79 |
| Brought here for Interment..... | 69 |
| Total deaths in 1896..... | 1638 |
| Total Births in 1896..... | 1629 |

Deaths exceed the births by..... 9

Population of New Castle County census 1890, 97,182.

Annual death rate in the 1000 inhabitants, 16.85.

Percentage of deaths from zymotic disease, 13.49.

EDMUND B. FRAZER, Secretary.

KENT COUNTY.

FIRST QUARTER ENDING SEPTEMBER 30, 1895.

Marriages, Births and Deaths.

| | |
|---------------------------------|----|
| Alcoholism | 0 |
| Croup, | 1 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 15 |
| Cerebro Spinal Meningitis | 1 |
| Diarrhœa | 0 |
| Dysentery | 7 |
| Diphtheria..... | 0 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 2 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 3 |
| Whooping Cough | 4 |
| Zymotics | 33 |

| | |
|-----------------------------|----|
| Cancer..... | 1 |
| Consumption..... | 9 |
| Marasmus..... | 1 |
| Meningitis..... | 2 |
| Bright's Disease..... | 2 |
| Bronchitis..... | 1 |
| Heart Disease..... | 4 |
| Pneumonia..... | 3 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 2 |
| Disease of the Bowels..... | 4 |
| Paralysis..... | 5 |
| Dropsy..... | 4 |
| Drowned..... | 1 |
| General Debility..... | 5 |
| Peritonitis..... | 1 |
| Amputation of Arm..... | 1 |
| Convulsions..... | 2 |
| La Grippe..... | 1 |
| Malarial..... | 1 |
| Entero Colitis..... | 1 |
| All other diseases..... | 11 |
| Total..... | 95 |

DECEDENTS.

| | |
|-------------|----|
| White..... | 61 |
| Negro..... | 34 |
| Total..... | 95 |
| Male..... | 40 |
| Female..... | 55 |
| Total..... | 95 |

| | |
|---------------------------------|----|
| Born in the United States | 94 |
| Foreign Born | 1 |
| Total | 95 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|----|
| Under 1 year | 36 |
| From 1 to 5 years | 9 |
| From 5 to 10 years | 1 |
| From 10 to 20 years | 1 |
| From 20 to 30 years | 5 |
| From 30 to 40 years | 6 |
| From 40 to 50 years | 7 |
| From 50 to 60 years | 5 |
| From 60 to 70 years | 5 |
| From 70 to 80 years | 11 |
| From 80 to 90 years | 4 |
| Age not stated | 2 |
| Total | 95 |

BIRTHS.

| | |
|---------------|----|
| White | 22 |
| Negro | 2 |
| Total | 24 |
| Males | 13 |
| Females | 11 |
| Total | 24 |

MARRIAGES.

| | |
|-------------|----|
| White | 28 |
| Negro | 5 |
| Total | 33 |

EDMUND B. FRAZER, Secretary.

KENT COUNTY.

SECOND QUARTER ENDING DECEMBER 31, 1895.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism | 0 |
| Croup | 1 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum..... | 8 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa | 2 |
| Dysentery | 1 |
| Diphtheria..... | 2 |
| Erysipelas | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 1 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 2 |
| Tonsilitis | 0 |
| Typhoid Fever | 2 |
| Whooping Cough..... | 2 |
| Zymoties..... | 21 |

| | |
|-----------------------------|-----|
| Cancer..... | 2 |
| Consumption..... | 21 |
| Marasmus..... | 1 |
| Bright's Disease..... | 3 |
| Bronchitis..... | 0 |
| Heart Disease..... | 16 |
| Pneumonia..... | 8 |
| Accidents..... | 2 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 1 |
| Disease of the Bowels..... | 1 |
| General Debility..... | 6 |
| Paralysis..... | 6 |
| Peritonitis..... | 1 |
| Malaria..... | 3 |
| Bilious Fever..... | 1 |
| Old Age..... | 5 |
| Entero Colitis..... | 2 |
| Dropsy..... | 3 |
| Convulsions..... | 2 |
| Appendicitis..... | 1 |
| Pleurisy..... | 1 |
| Burned..... | 1 |
| Drowned..... | 1 |
| All other diseases..... | 20 |
| <hr/> | |
| Total..... | 129 |
| From Wilmington..... | 2 |
| From McDonough..... | 1 |

DECEDENTS.

| | |
|------------|-----|
| White..... | 92 |
| Negro..... | 37 |
| <hr/> | |
| Total..... | 129 |

| | |
|--------------------------------|-----|
| Males..... | 73 |
| Females..... | 56 |
| <hr/> | |
| Total..... | 129 |
| | |
| Born in the United States..... | 129 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year..... | 16 |
| From 1 to 5 years..... | 21 |
| From 5 to 10 years..... | 1 |
| From 10 to 20 years..... | 5 |
| From 20 to 30 years..... | 10 |
| From 30 to 40 years..... | 10 |
| From 40 to 50 years..... | 10 |
| From 50 to 60 years..... | 13 |
| From 60 to 70 years..... | 10 |
| From 70 to 80 years..... | 19 |
| From 80 to 90 years..... | 6 |
| From 90 to 100 years..... | 2 |
| Age not stated..... | 6 |
| <hr/> | |
| Total..... | 129 |

BIRTHS.

| | |
|--------------|----|
| White..... | 26 |
| Negro..... | 3 |
| <hr/> | |
| Total..... | 29 |
| | |
| Males..... | 11 |
| Females..... | 18 |
| <hr/> | |
| Total..... | 29 |

MARRIAGES.

| | |
|-------------|-------|
| White | 56 |
| Negro | 2 |
| | <hr/> |
| Total..... | 58 |

| | |
|--|----|
| Brought here for Interment from without the State..... | 15 |
| Still Born..... | 3 |

EDMUND B. FRAZER, Secretary.

KENT COUNTY.

THIRD QUARTER ENDING MARCH 31, 1896.

Marriages, Births and Deaths.

| | |
|---------------------------------|---|
| Alcoholism | 0 |
| Croup | 1 |
| Carbuncle | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum | 0 |
| Cerebro Spinal Meningitis | 0 |
| Diarrhœa | 0 |
| Dysentery | 0 |
| Diphtheria..... | 1 |
| Erysipelas | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 1 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 1 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 0 |
| Whooping Cough..... | 3 |
| Zymotics | 7 |

| | |
|-----------------------------|----|
| Typhoid Pneumonia..... | 1 |
| Cancer..... | 1 |
| Consumption..... | 10 |
| Meningitis..... | 2 |
| Bright's Disease..... | 2 |
| Bronchitis | 2 |
| Heart Disease..... | 4 |
| Pneumonia | 11 |
| Accidents..... | 2 |
| Accidents on Railroads..... | 2 |
| Disease of the Brain..... | 2 |
| Disease of the Bowels..... | 4 |
| Paralysis..... | 10 |
| General Debility..... | 5 |
| Congestion of Lungs..... | 1 |
| Old Age | 2 |
| Dropsy | 1 |
| Jaundice..... | 2 |
| Burned..... | 1 |
| La Grippe..... | 2 |
| All other diseases..... | 7 |
| <hr/> | |
| Total..... | 81 |

DECEDENTS.

| | |
|---------------|----|
| White... .. | 54 |
| Negro... .. | 27 |
| <hr/> | |
| Total... .. | 81 |
| | |
| Males... .. | 48 |
| Females... .. | 33 |
| <hr/> | |
| Total... .. | 81 |

| | |
|--------------------------------|-----------|
| Born in the United States..... | 78 |
| Foreign Born..... | 3 |
| Total..... | 81 |

AGES OF DECEDENTS.

| | |
|---------------------------|-----------|
| Under 1 year..... | 13 |
| From 1 to 5 years..... | 6 |
| From 5 to 10 years..... | 2 |
| From 10 to 20 years..... | 5 |
| From 20 to 30 years..... | 11 |
| From 30 to 40 years..... | 3 |
| From 40 to 50 years..... | 4 |
| From 50 to 60 years..... | 6 |
| From 60 to 70 years..... | 11 |
| From 70 to 80 years..... | 13 |
| From 80 to 90 years..... | 5 |
| From 90 to 100 years..... | 1 |
| Age not stated..... | 1 |
| Total..... | 81 |

BIRTHS.

| | |
|-------------------|-----------|
| White..... | 36 |
| Negro..... | 0 |
| Total..... | 36 |
| Males..... | 14 |
| Females..... | 22 |
| Total..... | 36 |

MARRIAGES.

| | |
|-------------|-------|
| White | 45 |
| Negro | 4 |
| | <hr/> |
| Total | 49 |

EDMUND B. FRAZER, Secretary.

KENT COUNTY.

FOURTH QUARTER ENDING JUNE 30, 1896.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism | 0 |
| Croup | 0 |
| Carbuncle | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum | 4 |
| Cerebro Spinal Meningitis..... | 3 |
| Diarrhœa..... | 0 |
| Dysentery..... | 0 |
| Diphtheria..... | 2 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 1 |
| Tonsilitis | 0 |
| Typhoid Fever | 1 |
| Whooping Cough..... | 1 |
| Zymotic | 12 |

| | |
|------------------------------------|-----|
| Typhoid Pneumonia..... | 2 |
| Cancer..... | 0 |
| Consumption..... | 28 |
| Marasmus | 2 |
| Bright's Disease..... | 5 |
| Bronchitis | 2 |
| Heart Disease..... | 4 |
| Pneumonia | 13 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 1 |
| Disease of the Brain..... | 10 |
| Disease of the Bowels..... | 2 |
| Dropsy | 6 |
| Old Age | 14 |
| Paralysis..... | 3 |
| Drowned..... | 4 |
| Jaundice | 1 |
| Congestion of Lungs..... | 1 |
| General Debility..... | 3 |
| Peritonitis. | 1 |
| Shock from Surgical Operation..... | 1 |
| Convulsions..... | 1 |
| Mumps..... | 1 |
| All other diseases..... | 19 |
| Disease not stated..... | 3 |
| <hr/> | |
| Total..... | 139 |

DECEDENTS.

| | |
|------------|-----|
| White..... | 86 |
| Negro..... | 53 |
| <hr/> | |
| Total..... | 139 |

| | |
|---------------------------------|-----|
| Males..... | 65 |
| Females..... | 74 |
| Total..... | 139 |
| Born in the United States | 136 |
| Foreign Born | 3 |
| Total..... | 139 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year | 25 |
| From 1 to 5 years | 6 |
| From 5 to 10 years | 6 |
| From 10 to 20 years | 9 |
| From 20 to 30 years | 13 |
| From 30 to 40 years | 11 |
| From 40 to 50 years | 9 |
| From 50 to 60 years | 4 |
| From 60 to 70 years | 16 |
| From 70 to 80 years | 14 |
| From 80 to 90 years | 12 |
| From 90 to 100 years..... | 3 |
| Age not stated | 11 |
| Total | 139 |

BIRTHS.

| | |
|---------------|----|
| White | 21 |
| Negro | 0 |
| Total | 21 |
| Males | 10 |
| Females | 11 |
| Total | 21 |

MARRIAGES.

| | |
|-----------------|----|
| White | 16 |
| Negro | 0 |
| <hr/> | |
| Total | 16 |
| Still Born..... | 4 |

EDMUND B. FRAZER, Secretary.

RECAPITULATION

OF MARRIAGES, BIRTHS AND DEATHS IN KENT COUNTY FOR THE
YEAR ENDING JUNE 30, 1896.

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|----------------------------|--------------|-------------|-------------|--------------|-----|
| Alcoholism..... | 0 | 0 | 0 | 0 | 0 |
| Croup | 1 | 1 | 1 | 0 | 3 |
| Carbuncle | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus..... | 0 | 0 | 0 | 0 | 0 |
| Cholera Infantum..... | 15 | 8 | 0 | 4 | 27 |
| Cerebro Spinal Meningitis | 1 | 0 | 0 | 3 | 4 |
| Diarrhœa | 0 | 2 | 0 | 0 | 2 |
| Dysentery | 7 | 1 | 0 | 0 | 8 |
| Diphtheria..... | 0 | 2 | 1 | 2 | 5 |
| Erysipelas | 0 | 0 | 0 | 0 | 0 |
| Intermittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Measles | 0 | 0 | 0 | 0 | 0 |
| Purpura | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever..... | 0 | 0 | 0 | 0 | 0 |
| Pyæmia | 2 | 0 | 1 | 0 | 3 |
| Remittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Rheumatism | 0 | 0 | 0 | 0 | 0 |
| Scarlet Fever..... | 0 | 1 | 0 | 0 | 1 |
| Small Pox..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital)..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis..... | 0 | 0 | 0 | 0 | 0 |
| Septicæmia | 0 | 2 | 1 | 1 | 4 |
| Tonsilitis..... | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever | 3 | 2 | 0 | 1 | 6 |
| Whooping Cough | 4 | 2 | 3 | 1 | 10 |
| Zymoties | 33 | 21 | 7 | 12 | 73 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|--------------------------------|--------------|-------------|-------------|--------------|-----|
| Mumps..... | 0 | 0 | 0 | 1 | 1 |
| Typhoid Pneumonia..... | 0 | 0 | 1 | 2 | 3 |
| Cancer..... | 1 | 2 | 1 | 0 | 4 |
| Consumption..... | 9 | 21 | 10 | 28 | 58 |
| Meningitis..... | 2 | 0 | 2 | 0 | 4 |
| Marasmus..... | 1 | 1 | 0 | 2 | 4 |
| Bright's Disease..... | 2 | 3 | 2 | 5 | 12 |
| Bronchitis..... | 1 | 0 | 2 | 2 | 5 |
| Heart Disease..... | 4 | 16 | 4 | 4 | 28 |
| Pneumonia..... | 3 | 8 | 11 | 13 | 35 |
| Accidents..... | 0 | 2 | 2 | 0 | 4 |
| Accidents on Railroads..... | 0 | 0 | 2 | 1 | 3 |
| Disease of the Brain..... | 2 | 1 | 2 | 10 | 15 |
| Disease of the Bowels..... | 4 | 1 | 4 | 2 | 11 |
| Paralysis..... | 5 | 6 | 10 | 3 | 24 |
| Dropsy..... | 4 | 3 | 1 | 6 | 14 |
| Drowned..... | 1 | 1 | 0 | 4 | 6 |
| General Debility..... | 5 | 6 | 5 | 3 | 19 |
| Peritonitis..... | 1 | 1 | 0 | 1 | 3 |
| Amputation of Arm..... | 1 | 0 | 0 | 0 | 1 |
| Convulsions..... | 2 | 2 | 0 | 1 | 5 |
| La Grippe..... | 1 | 0 | 2 | 0 | 3 |
| Malaria..... | 1 | 3 | 0 | 0 | 4 |
| Entero Colitis..... | 1 | 2 | 0 | 0 | 3 |
| Bilious Fever..... | 0 | 1 | 0 | 0 | 1 |
| Old Age..... | 0 | 5 | 2 | 14 | 21 |
| Appendicitis..... | 0 | 1 | 0 | 0 | 1 |
| Pleurisy..... | 0 | 1 | 0 | 0 | 1 |
| Burned..... | 0 | 1 | 1 | 0 | 2 |
| Congestion of Lungs..... | 0 | 0 | 1 | 1 | 2 |
| Jaundice..... | 0 | 0 | 2 | 1 | 3 |
| Shock, Surgical Operation..... | 0 | 0 | 0 | 1 | 1 |
| All other diseases..... | 11 | 20 | 7 | 22 | 60 |
| Total..... | 95 | 129 | 81 | 139 | 444 |

DECEDENTS.

| | |
|--------------------------------|-----|
| White | 293 |
| Negro | 151 |
| Total..... | 444 |
| Males..... | 226 |
| Females | 218 |
| Total..... | 444 |
| Born in the United States..... | 437 |
| Foreign Born..... | 7 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year..... | 90 |
| From 1 to 5 years..... | 42 |
| From 5 to 10 years..... | 10 |
| From 10 to 20 years..... | 23 |
| From 20 to 30 years..... | 39 |
| From 30 to 40 years..... | 30 |
| From 40 to 50 years..... | 30 |
| From 50 to 60 years..... | 28 |
| From 60 to 70 years..... | 42 |
| From 70 to 80 years..... | 57 |
| From 80 to 90 years..... | 27 |
| From 90 to 100 years..... | 6 |
| Age not stated..... | 18 |
| Total..... | 444 |

BIRTHS.

| | |
|-------------|-----|
| White..... | 105 |
| Negro | 5 |
| Total..... | 110 |

| | |
|--------------|-------|
| Males..... | 48 |
| Females..... | 62 |
| | <hr/> |
| Total..... | 110 |

MARRIAGES.

| | |
|---------------------------------|-------|
| White | 145 |
| Negro | 11 |
| | <hr/> |
| Total..... | 156 |
| Still Born..... | 7 |
| Brought here for Interment..... | 15 |

TOTAL DEATHS IN KENT COUNTY FOR THE YEAR ENDING
JUNE 30, 1896.

| | | | |
|----------------------|-----|----------------|----|
| First Quarter..... | 95 | Zymotics | 33 |
| Second Quarter..... | 129 | Zymotics..... | 21 |
| Third Quarter..... | 81 | Zymotics..... | 7 |
| Fourth Quarter | 139 | Zymotics | 12 |
| <hr/> | | <hr/> | |
| Total..... | 444 | | 73 |
| Zymotics | 73 | | |

All other diseases... 371

| | |
|---------------------------|-----|
| Total deaths in 1896..... | 444 |
| Total Births in 1896..... | 110 |

Deaths exceed the births by..... 334

| | Deaths. | Zymotics. |
|----------------------------|---------|-----------|
| As compared with 1893..... | 458 | 108 |
| As compared with 1894..... | 366 | 87 |
| As compared with 1895..... | 396 | 65 |
| As compared with 1896..... | 444 | 73 |

| | |
|--|--------|
| Population of New Castle County census 1890..... | 97,182 |
| Population of Kent County census of 1890..... | 32,664 |
| Population of Sussex County census of 1890..... | 38,647 |

Total population of the State.....168,493

Annual death rate in the 1000 inhabitants, 16.37.

Percentage of deaths from zymotic disease, 11.50.

EDMUND B. FRAZER, Secretary.

SUSSEX COUNTY.

FIRST QUARTER ENDING SEPTEMBER 30, 1895.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism | 0 |
| Croup | 0 |
| Carbuncle..... | 0 |
| Cholera Morbus..... | 1 |
| Cholera Infantum..... | 6 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa | 1 |
| Dysentery..... | 1 |
| Diphtheria..... | 0 |
| Erysipelas | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 1 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 6 |
| Whooping Cough..... | 0 |
| Zymotics..... | 16 |

| | |
|-----------------------------|----|
| Cancer..... | 2 |
| Consumption..... | 17 |
| Meningitis..... | 0 |
| Marasmus..... | 1 |
| Bright's Disease..... | 1 |
| Bronchitis..... | 0 |
| Heart Disease..... | 10 |
| Pneumonia..... | 3 |
| Accidents..... | 0 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 0 |
| Disease of the Bowels..... | 4 |
| Hydrophobia..... | 1 |
| Old Age..... | 1 |
| La Grippe..... | 1 |
| Dropsy..... | 6 |
| Child Birth..... | 1 |
| Convulsions..... | 1 |
| Paralysis..... | 1 |
| General Debility..... | 1 |
| Peritonitis..... | 1 |
| Entero Colitis..... | 1 |
| Premature Birth..... | 1 |
| Tetanus..... | 0 |
| All other diseases..... | 11 |
| Unknown..... | 3 |
| <hr/> | |
| Total..... | 84 |

DECEDENTS.

| | |
|------------|----|
| White..... | 69 |
| Negro..... | 15 |
| <hr/> | |
| Total..... | 84 |

| | |
|--------------------------------|-------|
| Males..... | 40 |
| Females..... | 44 |
| | <hr/> |
| Total..... | 84 |
| Born in the United States..... | 83 |
| Foreign Born..... | 1 |
| | <hr/> |
| Total..... | 84 |

AGES OF DECEDENTS.

| | |
|---------------------------|-------|
| Under 1 year..... | 12 |
| From 1 to 5 years..... | 7 |
| From 5 to 10 years..... | 2 |
| From 10 to 20 years..... | 3 |
| From 20 to 30 years..... | 5 |
| From 30 to 40 years..... | 7 |
| From 40 to 50 years..... | 8 |
| From 50 to 60 years..... | 11 |
| From 60 to 70 years..... | 11 |
| From 70 to 80 years..... | 10 |
| From 80 to 90 years..... | 2 |
| From 90 to 100 years..... | 0 |
| Age not stated..... | 6 |
| | <hr/> |
| Total..... | 84 |

BIRTHS.

| | |
|------------|-------|
| White..... | 59 |
| Negro..... | 2 |
| | <hr/> |
| Total..... | 61 |

| | |
|---------------|-------|
| Males..... | 36 |
| Females | 25 |
| | <hr/> |
| Total..... | 61 |

MARRIAGES.

| | |
|-----------------|-------|
| White | 46 |
| Negro | 1 |
| | <hr/> |
| Total | 47 |
| Still Born..... | 10 |

EDMUND B. FRAZER, Secretary.

SUSSEX COUNTY.

SECOND QUARTER ENDING DECEMBER 31, 1895.

Marriages, Births and Deaths.

| | |
|---------------------------------|----|
| Alcoholism | 0 |
| Croup | 4 |
| Carbuncle | 0 |
| Cholera Morbus..... | 0 |
| Cholera Infantum | 5 |
| Cerebro Spinal Meningitis | 1 |
| Diarrhœa | 1 |
| Dysentery | 1 |
| Diphtheria..... | 7 |
| Erysipelas | 0 |
| Intermittent Fever..... | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 1 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 1 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 1 |
| Tonsilitis..... | 0 |
| Typhoid Fever..... | 10 |
| Whooping Cough..... | 0 |
| Zymotics | 32 |

| | |
|-----------------------------|-----|
| Cancer..... | 4 |
| Consumption..... | 17 |
| Meningitis | 3 |
| Bright's Disease..... | 2 |
| Bronchitis | 2 |
| Heart Disease..... | 6 |
| Pneumonia | 6 |
| Accidents..... | 2 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 9 |
| Disease of the Bowels | 2 |
| Paralysis..... | 5 |
| Old Age | 5 |
| Tetanus..... | 2 |
| General Debility..... | 4 |
| Dropsy | 3 |
| Malarial Fever..... | 1 |
| Peritonitis | 1 |
| Convulsions..... | 1 |
| All other diseases..... | 7 |
| Disease not stated..... | 6 |
| <hr/> | |
| Total..... | 120 |

DECEDENTS.

| | |
|--------------|-----|
| White..... | 105 |
| Negro..... | 15 |
| <hr/> | |
| Total..... | 120 |
| | |
| Male | 61 |
| Female | 59 |
| <hr/> | |
| Total..... | 120 |

| | |
|--------------------------------|-----|
| Born in the United States..... | 119 |
| Foreign Born..... | 1 |
| <hr/> | |
| Total | 120 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year..... | 15 |
| From 1 to 5 years..... | 12 |
| From 5 to 10 years..... | 4 |
| From 10 to 20 years..... | 12 |
| From 20 to 30 years..... | 10 |
| From 30 to 40 years..... | 10 |
| From 40 to 50 years..... | 11 |
| From 50 to 60 years..... | 10 |
| From 60 to 70 years..... | 11 |
| From 70 to 80 years..... | 15 |
| From 80 to 90 years..... | 4 |
| From 90 to 100 years..... | 1 |
| Age not stated | 5 |
| <hr/> | |
| Total..... | 120 |

BIRTHS.

| | |
|---------------|-----|
| White | 113 |
| Negro | 1 |
| <hr/> | |
| Total..... | 114 |
| | |
| Males..... | 60 |
| Females | 54 |
| <hr/> | |
| Total..... | 114 |

MARRIAGES.

| | |
|-------------------------------------|-------|
| White..... | 61 |
| Negro | 4 |
| | <hr/> |
| Total..... | 65 |
| Brought here for Interment..... | 7 |
| Still Born..... | 7 |

EDMUND B. FRAZER, Secretary.

SUSSEX COUNTY.

THIRD QUARTER ENDING MARCH 31, 1896.

Marriages, Births and Deaths.

| | |
|--------------------------------|----|
| Alcoholism | 1 |
| Croup | 4 |
| Carbuncle | 0 |
| Cholera Morbus..... | 1 |
| Cholera Infantum | 3 |
| Cerebro Spinal Meningitis..... | 0 |
| Diarrhœa..... | 0 |
| Dysentery..... | 0 |
| Diphtheria..... | 13 |
| Erysipelas..... | 0 |
| Intermittent Fever..... | 0 |
| Measles | 0 |
| Purpura | 0 |
| Puerperal Fever..... | 0 |
| Pyæmia..... | 1 |
| Remittent Fever..... | 0 |
| Rheumatism | 1 |
| Scarlet Fever..... | 1 |
| Small Pox..... | 0 |
| Syphilis (Congenital)..... | 0 |
| Syphilis..... | 0 |
| Septicæmia..... | 1 |
| Tonsilitis | 0 |
| Typhoid Fever | 11 |
| Whooping Cough..... | 2 |
| Zymotics..... | 39 |

| | |
|-----------------------------|-----|
| Cancer..... | 1 |
| Consumption..... | 46 |
| Bright's Disease..... | 5 |
| Bronchitis | 1 |
| Heart Disease..... | 16 |
| Pneumonia | 28 |
| Accidents..... | 1 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 13 |
| Disease of the Bowels..... | 6 |
| Paralysis..... | 9 |
| General Debility..... | 7 |
| Dropsy | 9 |
| Old Age | 6 |
| Malaria. | 2 |
| Pleurisy..... | 1 |
| La Grippe..... | 11 |
| Child Birth..... | 4 |
| Suicide | 1 |
| Congestion of Lungs..... | 1 |
| Drowned..... | 1 |
| Tetanus..... | 0 |
| Pernicious Fever..... | 1 |
| Endocarditis | 1 |
| All other diseases..... | 16 |
| Disease not stated..... | 5 |
| <hr/> | |
| Total..... | 231 |

DECEDENTS.

| | |
|------------|-----|
| White..... | 168 |
| Negro..... | 63 |
| <hr/> | |
| Total..... | 231 |

| | |
|---------------------------------|-----|
| Males..... | 124 |
| Females | 107 |
| Total..... | 231 |
| Born in the United States | 231 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|-----|
| Under 1 year | 31 |
| From 1 to 5 years | 20 |
| From 5 to 10 years | 15 |
| From 10 to 20 years | 27 |
| From 20 to 30 years | 15 |
| From 30 to 40 years | 13 |
| From 40 to 50 years | 11 |
| From 50 to 60 years | 21 |
| From 60 to 70 years | 29 |
| From 70 to 80 years | 34 |
| From 80 to 90 years | 10 |
| From 90 to 100 years..... | 1 |
| Age not stated | 4 |
| Total | 231 |

MARRIAGES.

| | |
|-------------|----|
| White | 85 |
| Negro | 1 |
| Total | 86 |

BIRTHS.

| | |
|-------------|-----|
| White..... | 151 |
| Negro | 5 |
| Total | 156 |

| | |
|---|-------|
| Males | 80 |
| Females | 76 |
| | <hr/> |
| Total..... | 156 |
| Still Born..... | 1 |
| Brought here from without the State | 14 |
| From St Georges, Del..... | 1 |

EDMUND B. FRAZER, Secretary.

SUSSEX COUNTY.

FOURTH QUARTER ENDING JUNE 30, 1896.

Marriages, Births and Deaths.

| | |
|---------------------------------|---|
| Alcoholism | 1 |
| Croup | 1 |
| Carbuncle | 0 |
| Cholera Morbus | 0 |
| Cholera Infantum | 4 |
| Cerebro Spinal Meningitis | 0 |
| Diarrhœa | 0 |
| Dysentery | 0 |
| Diphtheria..... | 0 |
| Erysipelas | 0 |
| Intermittent Fever | 0 |
| Measles..... | 0 |
| Purpura | 0 |
| Puerperal Fever | 0 |
| Pyæmia..... | 0 |
| Remittent Fever..... | 0 |
| Rheumatism..... | 0 |
| Scarlet Fever..... | 0 |
| Small Pox..... | 0 |
| Syphilis (Congenital) | 0 |
| Syphilis..... | 0 |
| Septicæmia | 0 |
| Tonsilitis | 0 |
| Typhoid Fever | 0 |
| Whooping Cough | 2 |
| Zymotics | 8 |

| | |
|-----------------------------|----|
| Cancer..... | 1 |
| Consumption..... | 16 |
| Meningitis..... | 2 |
| Marasmus..... | 0 |
| Bright's Disease..... | 1 |
| Bronchitis..... | 0 |
| Heart Disease..... | 11 |
| Pneumonia..... | 6 |
| Accidents..... | 3 |
| Accidents on Railroads..... | 0 |
| Disease of the Brain..... | 5 |
| Disease of the Bowels..... | 6 |
| Old Age..... | 5 |
| Dropsy..... | 5 |
| La Grippe..... | 2 |
| Insanity..... | 1 |
| General Debility..... | 1 |
| Bilious Fever..... | 1 |
| Peritonitis..... | 0 |
| Endocarditis..... | 1 |
| Fracture of Skull..... | 1 |
| Paralysis..... | 2 |
| Entero Colitis..... | 0 |
| All other diseases..... | 6 |
| Disease not stated..... | 1 |
| <hr/> | |
| Total..... | 85 |

DECEDENTS.

| | |
|------------|----|
| White..... | 77 |
| Negro..... | 8 |
| <hr/> | |
| Total..... | 85 |

| | |
|--------------------------------|----|
| Male | 41 |
| Female | 44 |
| <hr/> | |
| Total | 85 |
| | |
| Born in the United States..... | 85 |
| Foreign Born..... | 0 |
| <hr/> | |
| Total | 85 |

AGES OF THE DECEDENTS.

| | |
|---------------------------|----|
| Under 1 year..... | 19 |
| From 1 to 5 years..... | 4 |
| From 5 to 10 years..... | 0 |
| From 10 to 20 years..... | 4 |
| From 20 to 30 years..... | 7 |
| From 30 to 40 years..... | 11 |
| From 40 to 50 years..... | 7 |
| From 50 to 60 years..... | 4 |
| From 60 to 70 years..... | 9 |
| From 70 to 80 years..... | 10 |
| From 80 to 90 years..... | 7 |
| From 90 to 100 years..... | 2 |
| Age not stated | 1 |
| <hr/> | |
| Total..... | 85 |

MARRIAGES.

| | |
|-------------|----|
| White | 30 |
| Negro | 3 |
| <hr/> | |
| Total | 33 |

BIRTHS.

| | |
|-----------------|----|
| White | 19 |
| Negro | 1 |
| <hr/> | |
| Total..... | 20 |
| | |
| Males..... | 9 |
| Females | 11 |
| <hr/> | |
| Total..... | 20 |
| | |
| Still Born..... | 3 |

EDMUND B. FRAZER, Secretary.

RECAPITULATION

OF MARRIAGES, BIRTHS AND DEATHS IN SUSSEX COUNTY FOR THE
YEAR ENDING JUNE 30, 1896.

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|----------------------------|--------------|-------------|-------------|--------------|-----|
| Alcoholism..... | 0 | 0 | 1 | 1 | 2 |
| Croup | 0 | 4 | 4 | 1 | 9 |
| Carbuncle | 0 | 0 | 0 | 0 | 0 |
| Cholera Morbus..... | 1 | 0 | 1 | 0 | 2 |
| Cholera Infantum..... | 6 | 5 | 3 | 4 | 18 |
| Cerebro Spinal Meningitis | 0 | 1 | 0 | 0 | 1 |
| Diarrhœa | 1 | 1 | 0 | 0 | 2 |
| Dysentery | 1 | 1 | 0 | 0 | 2 |
| Diphtheria..... | 0 | 7 | 13 | 0 | 20 |
| Erysipelas | 0 | 0 | 0 | 0 | 0 |
| Intermittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Measles | 1 | 0 | 0 | 0 | 1 |
| Purpura | 0 | 0 | 0 | 0 | 0 |
| Puerperal Fever..... | 0 | 0 | 0 | 0 | 0 |
| Pyæmia | 0 | 1 | 1 | 0 | 2 |
| Remittent Fever..... | 0 | 0 | 0 | 0 | 0 |
| Rheumatism | 0 | 0 | 1 | 0 | 1 |
| Scarlet Fever..... | 0 | 1 | 1 | 0 | 2 |
| Small Pox..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis (Congenital)..... | 0 | 0 | 0 | 0 | 0 |
| Syphilis..... | 0 | 0 | 0 | 0 | 0 |
| Septicæmia | 0 | 1 | 1 | 0 | 2 |
| Tonsilitis..... | 0 | 0 | 0 | 0 | 0 |
| Typhoid Fever | 6 | 10 | 11 | 0 | 27 |
| Whooping Cough | 0 | 0 | 2 | 2 | 4 |
| Zymotics | 16 | 32 | 39 | 8 | 95 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|-----------------------------|--------------|-------------|-------------|--------------|-----|
| Endocarditis | 0 | 0 | 1 | 1 | 2 |
| Pernicious Fever..... | 0 | 0 | 1 | 0 | 1 |
| Cancer | 2 | 4 | 1 | 1 | 8 |
| Consumption..... | 17 | 17 | 46 | 16 | 96 |
| Marasmus..... | 1 | 0 | 0 | 0 | 1 |
| Meningitis | 0 | 3 | 0 | 2 | 5 |
| Insanity..... | 0 | 0 | 0 | 1 | 1 |
| Bright's Disease..... | 1 | 2 | 5 | 1 | 9 |
| Bronchitis..... | 0 | 2 | 1 | 0 | 3 |
| Heart Disease..... | 10 | 6 | 16 | 11 | 43 |
| Pneumonia..... | 3 | 6 | 28 | 6 | 43 |
| Accidents..... | 0 | 2 | 1 | 3 | 6 |
| Accidents on Railroads..... | 0 | 0 | 0 | 0 | 0 |
| Disease of the Brain..... | 0 | 9 | 13 | 5 | 27 |
| Disease of the Bowels..... | 4 | 2 | 6 | 6 | 18 |
| General Debility..... | 1 | 4 | 7 | 1 | 13 |
| Paralysis..... | 1 | 5 | 9 | 2 | 17 |
| La Grippe..... | 1 | 0 | 11 | 2 | 14 |
| Dropsy | 6 | 3 | 9 | 5 | 23 |
| Child Birth..... | 1 | 0 | 4 | 0 | 5 |
| Convulsions..... | 1 | 1 | 0 | 0 | 2 |
| Peritonitis | 1 | 1 | 0 | 0 | 2 |
| Entero Colitis..... | 1 | 0 | 0 | 0 | 1 |
| Premature Birth..... | 1 | 0 | 0 | 0 | 1 |
| Old Age | 1 | 5 | 6 | 5 | 17 |
| Hydrophobia..... | 1 | 0 | 0 | 0 | 1 |
| Tetanus | 0 | 2 | 0 | 0 | 2 |
| Malarial Fever | 0 | 1 | 2 | 1 | 4 |
| Pleurisy | 0 | 0 | 1 | 0 | 1 |
| Suicide..... | 0 | 0 | 1 | 0 | 1 |
| Congestion of Lungs..... | 0 | 0 | 1 | 0 | 1 |
| Fracture of Skull..... | 0 | 0 | 0 | 1 | 1 |

| | 1st Quar. | 2d Quar. | 3d Quar. | 4th Quar. | T'l |
|-------------------------|--------------|-------------|-------------|--------------|-----|
| Drowned..... | 0 | 0 | 1 | 0 | 1 |
| Disease not stated..... | 0 | 6 | 5 | 1 | 12 |
| All other diseases..... | 11 | 7 | 16 | 6 | 40 |
| Unknown..... | 3 | 0 | 0 | 0 | 3 |
| Total..... | 84 | 120 | 231 | 85 | 520 |

DECEDENTS.

| | |
|-------------|-----|
| White | 419 |
| Negro | 101 |
| Total..... | 520 |

| | |
|---------------|-----|
| Males..... | 266 |
| Females | 254 |
| Total..... | 520 |

| | |
|--------------------------------|-----|
| Born in the United States..... | 518 |
| Foreign Born..... | 2 |

AGES OF THE DECEDENTS.

| | |
|--------------------------|----|
| Under 1 year..... | 77 |
| From 1 to 5 years..... | 43 |
| From 5 to 10 years. | 21 |
| From 10 to 20 years..... | 46 |
| From 20 to 30 years..... | 37 |
| From 30 to 40 years..... | 41 |
| From 40 to 50 years..... | 37 |
| From 50 to 60 years..... | 46 |
| From 60 to 70 years..... | 60 |

| | |
|---------------------------|-------|
| From 70 to 80 years..... | 69 |
| From 80 to 90 years..... | 23 |
| From 90 to 100 years..... | 4 |
| Age not stated..... | 16 |
| | <hr/> |
| Total..... | 520 |

| | |
|---------------------------------|----|
| Still Born..... | 21 |
| Brought here for interment..... | 21 |

BIRTHS.

| | |
|------------|-------|
| White..... | 342 |
| Negro..... | 9 |
| | <hr/> |
| Total..... | 351 |

| | |
|--------------|-------|
| Males..... | 185 |
| Females..... | 166 |
| | <hr/> |
| Total..... | 351 |

MARRIAGES.

| | |
|------------|-------|
| White..... | 222 |
| Negro..... | 9 |
| | <hr/> |
| Total..... | 231 |

TOTAL DEATHS IN SUSSEX COUNTY FOR THE YEAR ENDING
JUNE 30, 1896.

| | | | |
|----------------------|-----|----------------|----|
| First Quarter..... | 84 | Zymotics | 16 |
| Second Quarter..... | 120 | Zymotics..... | 32 |
| Third Quarter..... | 231 | Zymotics..... | 39 |
| Fourth Quarter | 85 | Zymotics | 8 |
| <hr/> | | <hr/> | |
| Total..... | 520 | | 95 |
| Zymotics | 95 | | |
| <hr/> | | | |

All other diseases... 425

| | |
|---------------------------|-----|
| Total deaths in 1896..... | 520 |
| Total Births in 1896..... | 351 |
| <hr/> | |

Deaths exceed the births by..... 169

| | Deaths. | Zymotics. |
|----------------------------|---------|-----------|
| As compared with 1894..... | 366 | 87 |
| As compared with 1895..... | 396 | 65 |
| As compared with 1896..... | 520 | 95 |

Annual death rate in the 1000 inhabitants, 13.45.

Percentage of deaths from zymotic disease, 18 per cent.

Population of Sussex County census of 1890, 38,647.

EDMUND B. FRAZER, Secretary.

MORTUARY REPORT

IN THE STATE OF DELAWARE FOR THE YEAR ENDING JUNE 30, 1896.

RECAPITULATION.

| | Marriages. | Births. | Deaths. |
|-------------------------|------------|---------|---------|
| New Castle County..... | 561 | 1629 | 1638 |
| Kent County..... | 156 | 110 | 444 |
| Sussex County..... | 231 | 351 | 520 |
| Total..... | 948 | 2090 | 2602 |
| Compared with 1894..... | 953 | 2332 | 2414 |
| Compared with 1895..... | 999 | 1982 | 2491 |

CONSUMPTION.

| | 1893 | 1894 | 1895 | 1896 |
|--------------------------------|------|------|------|------|
| New Castle County..... | 185 | 167 | 163 | 192 |
| Kent County..... | 63 | 57 | 71 | 58 |
| Sussex County..... | 67 | 61 | 74 | 96 |
| Total deaths in the State..... | 315 | 285 | 308 | 346 |

Population of the State of Delaware, census of 1890, 168,493

Death rate in the 1000 of the inhabitants is 15.43.

EDMUND B. FRAZER, Secretary.

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| Kent County total deaths for year ending June 30, 1895..... | 122 |
| Kent County, First Quarter ending September 30, 1895..... | 165 |
| Kent County, Second Quarter ending December 31, 1895..... | 168 |
| Kent County, Third Quarter ending March 31, 1896..... | 172 |
| Kent County, Fourth Quarter ending June 30, 1896..... | 176 |
| Kent County Recapitulation for year..... | 180 |
| Kent County total deaths for year ending June 30, 1896..... | 184 |
| Sussex County, First Quarter ending September 30, 1894.... | 123 |
| Sussex County, Second Quarter ending December 31, 1894 | 126 |
| Sussex County, Third Quarter ending March 31, 1895..... | 130 |
| Sussex County, Fourth Quarter ending June 30, 1895..... | 134 |
| Sussex County Recapitulation for the year..... | 138 |
| Sussex County total deaths for year ending June 30, 1895 ... | 142 |
| Sussex County, First Quarter ending September 30, 1895.... | 185 |
| Sussex County, Second Quarter ending December 31, 1895... | 189 |
| Sussex County, Third Quarter ending March 31, 1896..... | 193 |
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